CFD-580

SERVICE MANUAL

US Model

This set is almost the same as model CFD-757 previously produced.
Therefore, see the service manual for the information which is not contained in this service manual.

Page	CFD-757			CFD-580	
	Ref.No.	Part No.	Description	Part No.	Description
73	7	3-380-543-01	CABINET (REAR)	3-389-084-01	CABINET (REAR)
	8	3-380-558-01	STOPPER (H)	* 3-389-085-01	STOPPER (H)
	9	X-3365-262-1	HANDLE ASSY	X-3366-689-1	HANDLE ASSY
	12	3-380-548-01	LID, BATTERY CASE	3-389-066-01	LID, BATTERY CASE
74	51	X-3365-265-1	CABINET (FRONT) SUB ASSY	X-3366-688-1	CABINET (FRONT) SUB ASSY
	64	3-380-565-01	PLATE, CD	3-389-083-01	PLATE, CD
75	102	X-3365-260-1	HOLDER ASSY (A), CASSETTE	X-3366-684-1	HOLDER ASSY (A), CASSETTE
	104	X-3365-263-1	HOLDER ASSY (B), CASSETTE	X-3366-686-1	HOLDER ASSY (B), CASSETTE
	105	3-380-531-01	CABINET (UPPER)	3-389-068-01	CABINET (UPPER)
	108	3-380-591-01	BUTTON (45A) (ST/EJECT)	3-389-071-01	BUTTON (45A) (ST/EJECT)
	109	3-380-592-01	BUTTON (45A) (HI-DUB)	3-389-072-01	BUTTON (45A) (HI-DUB)
	110	3-380-593-01	BUTTON (45A) (PLAY)	3-389-073-01	BUTTON (45A) (PLAY)
	111	3-380-594-01	BUTTON (45A) (REW)	3-389-074-01	BUTTON (45A) (REW)
	112	3-380-595-01	BUTTON (45A) (FF)	3-389-075-01	BUTTON (45A) (FF)
	113	3-380-598-01	BUTTON (45A) (PAUSE)	3-389-076-01	BUTTON (45A) (PAUSE)
	115	3-380-599-01	BUTTON (45B) (ST/EJECT)	3-389-077-01	BUTTON (45B) (ST/EJECT)
	116	3-380-600-01	BUTTON (45B) (REC)	3-389-078-01	BUTTON (45B) (REC)
	117	3-380-601-01	BUTTON (45B) (PLAY)	3-389-079-01	BUTTON (45B) (PLAY)
	118	3-380-602-01	BUTTON (45B) (REW)	3-389-080-01	BUTTON (45B) (REW)
	119	3-380-603-01	BUTTON (45B) (FF)	3-389-081-01	BUTTON (45B) (FF)
	120	3-380-606-01	BUTTON (45B) (PAUSE)	3-389-082-01	BUTTON (45B) (PAUSE)
88	701	X-3365-258-1	SPK (FRONT) SUB ASSY (L CH)	X-3366-690-1	SPK (FRONT) SUB ASSY (L CH)
	701	X-3365-259-1	SPK (FRONT) SUB ASSY (R CH)	X-3366-691-1	SPK (FRONT) SUB ASSY (R CH)
	703	3-380-590-01	DUCT (51), SPEAKER	* 3-389-270-01	DUCT (580), SPEAKER
	705	3-380-544-01	CABINET (REAR), SPEAKER (L CH)	3-389-087-01	CABINET (REAR), SPEAKER (L CH)
	705	3-380-546-01	CABINET (REAR), SPEAKER (R CH)	3-389-088-01	CABINET (REAR), SPEAKER (R CH)
	706	3-380-547-01	REEL, SPEAKER	3-389-090-01	REEL, SPEAKER
104			ACCESSORIES & PACKING MATERIALS		ACCESSORIES & PACKING MATERIALS
	*	3-380-835-01	INDIVIDUAL CARTON	* 3-904-312-01	INDIVIDUAL CARTON
		3-755-229-21	MANUAL, INSTRUCTION (ENGLISH)	3-756-840-21	MANUAL, INSTRUCTION (ENGLISH)

CD RADIO CASSETTE-CORDER

SONY®

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Published by Audio Corporate Planning Group

9-957-724-11

Sony Corporation
General Audio Group

CFD-757/767

SERVICE MANUAL

US Model
Canadian Model
CFD-757/767
Australian Model
E Model
CFD-767

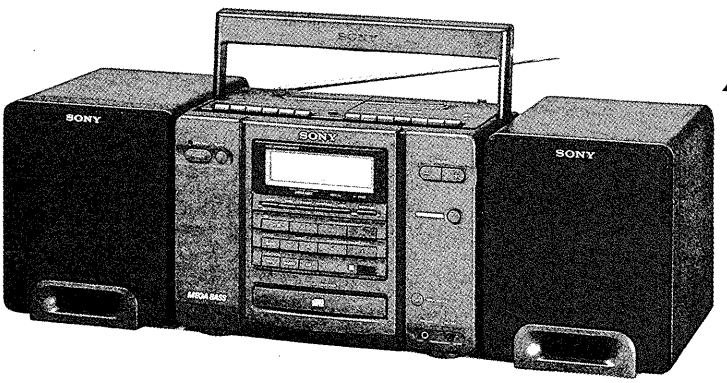

photo : CFD-767

MEGA BASS

Model Name Using Similar Mechanism	CD Section		CFD-703
	Tape Section	CFD-757	CFS-W304
		CFD-767	NEW
Tape Transport Mechanism Type	CFD-757		MF-757-64
	CFD-767	Deck A	MF-767-64PB
		Deck B	MF-767-102
Optical Pickup Block Type			KSM-360AAM

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS (US model)

POWER OUTPUT AND TOTAL HARMONIC DISTORTION

With 4-ohm loads, both channels driven from 150-10,000Hz: rated 7W per channel-minimum RMS power, with no more than 10% total harmonic distortion in AC operation.

Other Specifications

CD Player section

System	Compact disc digital audio system
Laser diode properties	Material: GaAlAs Wave length 780 nm Emission duration: Continuous Laser output: Less than 44.6μW* *This output is the value measured at a distance of about 200 mm from the objective lens surface on the optical pick-up block.
Spindle speed	200 r/min (rpm) to 500 r/min (rpm) (CLV)
Error correction	Sony Refind Super Strategy Cross Interleave Read Solomon Code
Number of channels	2
Frequency response	20-20,000 Hz ± 1 dB
Wow and flutter	Below measurable limit

Radio section

Frequency range	FM: 87.6–108 MHz AM: USA, Canadian and Taiwan models 530–1,710 kHz Australian model 531–1,602 kHz
Antennas	FM: Telescopic antenna AM: Built-in ferrite bar antenna

Tape recorder section and general

Recording system	4-track 2-channel stereo
Fast winding time	Approx. 120 s with Sony cassette HF60 HF60
Speaker	Full range: 8cm dia., cone type, Tweeter: 5cm dia.

—Continued next page—

使用時は添付資料も参照のこと
Refer to the additional documents.

CD RADIO CASSETTE-CORDER

SONY®

Frequency response	TYPE I (normal) cassette: 50 – 12,000 Hz
Inputs	Mixing microphone input jack (minijack) Sensitivity 2.45 mV For low impedance microphone
Outputs	Headphones jack (stereo minijack) For 8 – 32 ohms impedance headphones
Power output	Taiwan model: 11.5 W + 11.5 W (at 4 ohms, 10% harmonic distortion in AC operation) Canadian and Australian models: 10 W + 10 W (at 4 ohms, 10% harmonic distortion in DC operation)
Power requirements	For CD radio cassette-corder Australian model: 240 V AC, 50 Hz Except Australian model: 120 V AC, 60 Hz DC 12 V, 8 size D (R20) batteries For clock/timer/memory DC 6 V, 4 size AA (R6) batteries For remote commander DC 3 V, 2 size AA (R6) batteries
Power consumption	Canadian model: 43 W Taiwan model: 72 W US, Australian model: 40 W
Battery life	Batteries for CD radio cassette corder:

	FM recording	Tape playback	CD playing
Sony SUM-1 (NS)	approx. 4h	approx. 2h	approx. 1h
Sony Alkaline AM1	approx. 12h	approx. 5.5h	approx. 3h

For clock/timer/memory: approx. 1 year

Dimensions	635 × 208 × 242 mm (w/h/d) (25 × 8¼ × 9⅝ inches) incl. projecting parts and controls
Weight	CFD-757 8.4kg (18lb. 8 oz.) CFD-767 8.7kg (19lb. 3 oz.) (incl. batteries)
Supplied accessories	AC power cord (1) Remote commander (RMT-C767) (1)

Design and specifications subject to change without notice.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

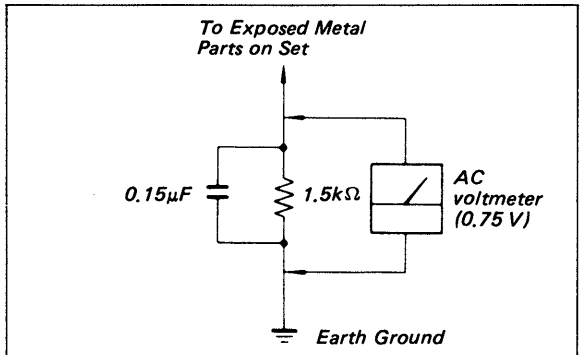

Fig. A. Using an AC voltmeter to check AC leakage.

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SECTION 1
SERVICING NOTES

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

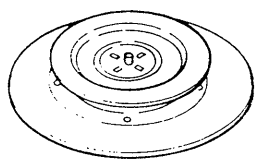
NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe more than 25 cm away from the objective lens.

CHUCK PLATE JIG ON REPAIRING

On repairing CD section, playing a disc without the CD lid, use Chuck Plate Jig.

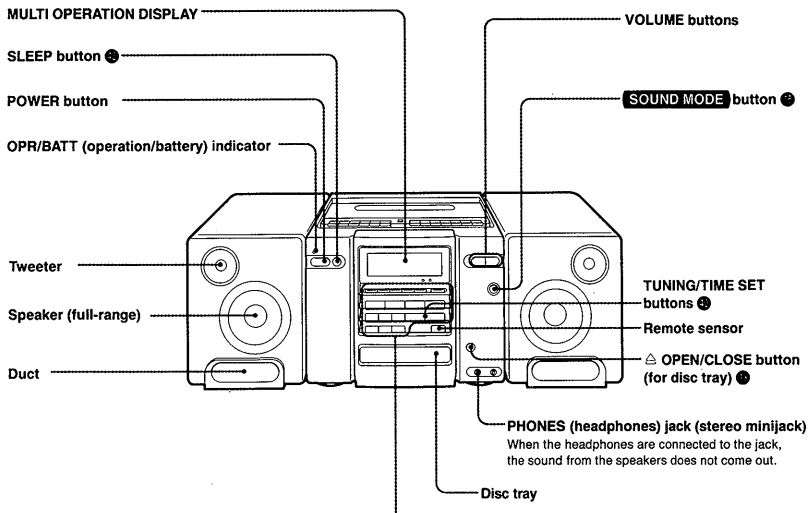
- Code number of Chuck Plate Jig: X-4918-255-1

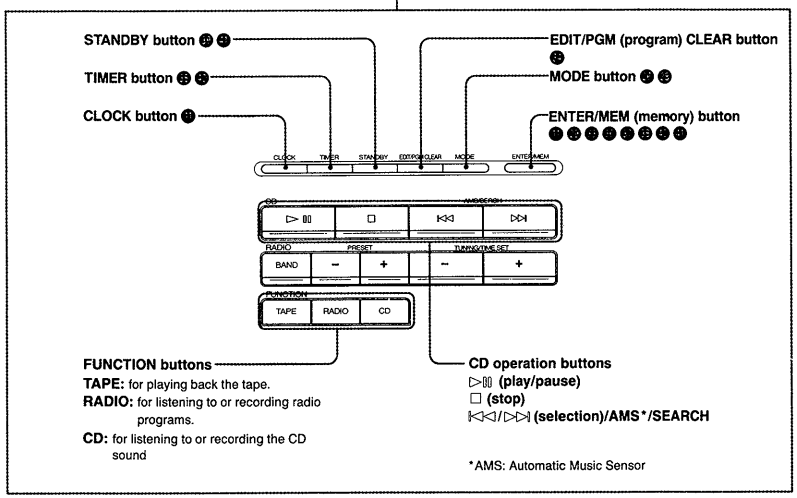


Parts Identification

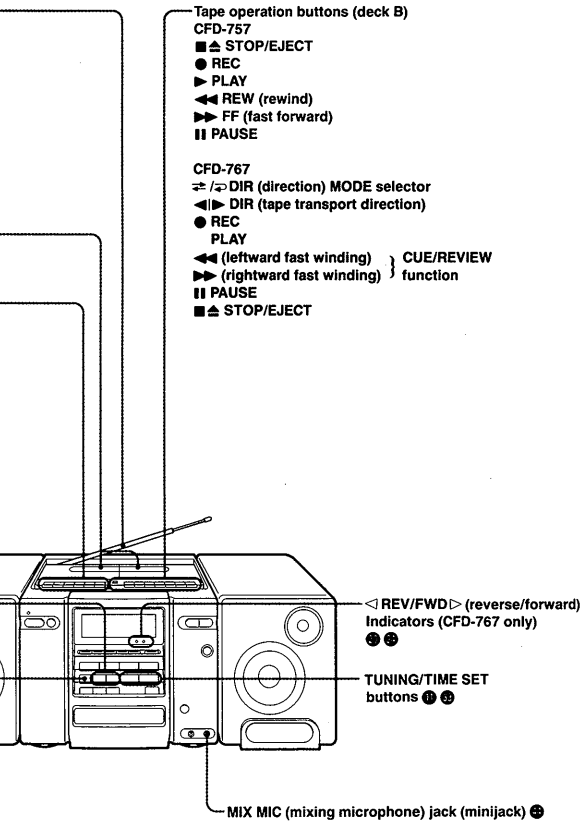
Refer to the pages indicated in ● for details.

CD Player Section and Clock/Timer Section



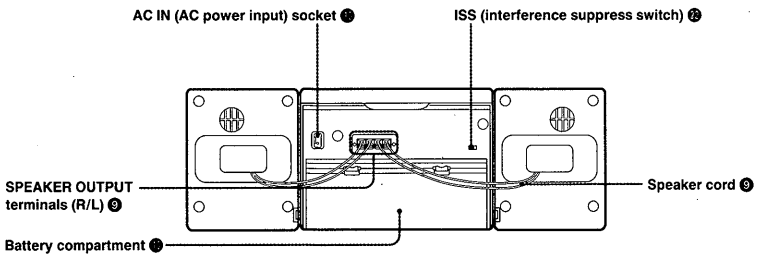


Radio/Cassette-Corder Section

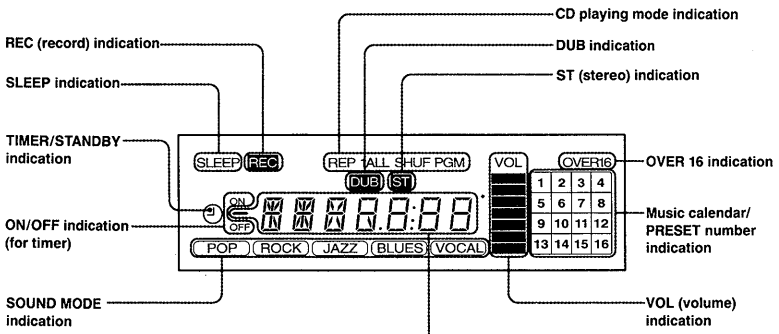


This section is extracted from instruction manual.

Rear Panel

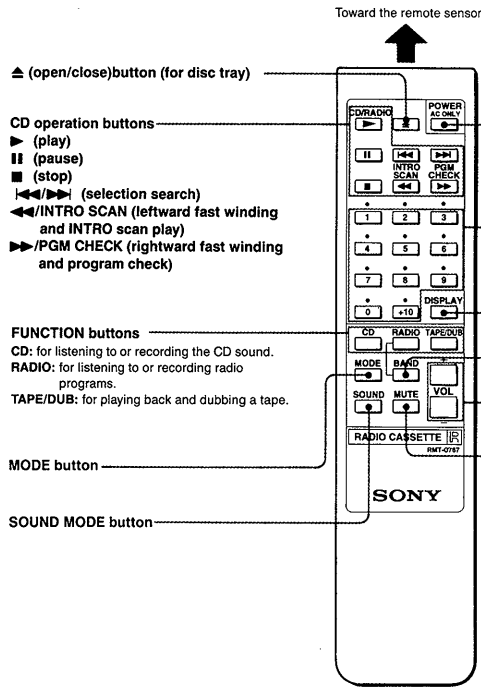

AC IN (AC power input) socket ⓫
ISS (interference suppress switch) ⓬
SPEAKER OUTPUT terminals (R/L) ⓭
Speaker cord ⓭
Battery compartment ⓮

Display Section



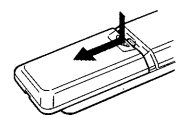
Clock display	During CD playing	During radio reception
AM/PM indication appears here.	Playing order/playing time/ remaining time (minute)	FM/AM indication appears here.
Time indication (hour/minute)	Playing time/remaining time (second)	Frequency

Remote Commander

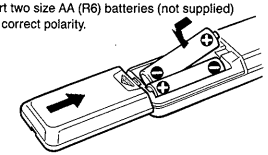

Toward the remote sensor
▲ (open/close)button (for disc tray)
CD operation buttons
▶ (play)
❚❚ (pause)
■ (stop)
⏮/⏭ (selection search)
◀◀/INTRO SCAN (leftward fast winding and INTRO scan play)
▶▶/PGM CHECK (rightward fast winding and program check)
FUNCTION buttons
CD: for listening to or recording the CD sound.
RADIO: for listening to or recording radio programs.
TAPE/DUB: for playing back and dubbing a tape.
MODE button
SOUND MODE button
POWER button
When you operate the unit on batteries, you cannot turn on the power with the remote commander.
Number buttons for direct selection (CD/preset station)
DISPLAY button
BAND button
VOLUME buttons
MUTE button
Press to extinguish the sound instantly; press again to resume sound. During mute, the volume indication in the display flashes.
Note on the remote commander
To avoid malfunction, keep the commander away from direct sunlight or strong illumination.
SONY

How to install batteries

1



2 Insert two size AA (R6) batteries (not supplied) with correct polarity.



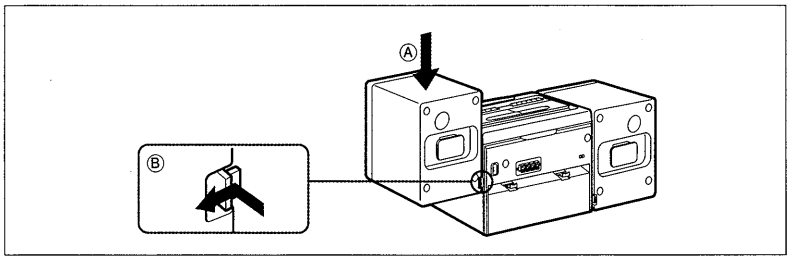
When to replace batteries
Battery life under normal use is about 6 months. When you cannot operate the unit with the remote commander from the distance where you used to operate, replace both batteries with new ones.

Connecting Speakers

To attach the speakers

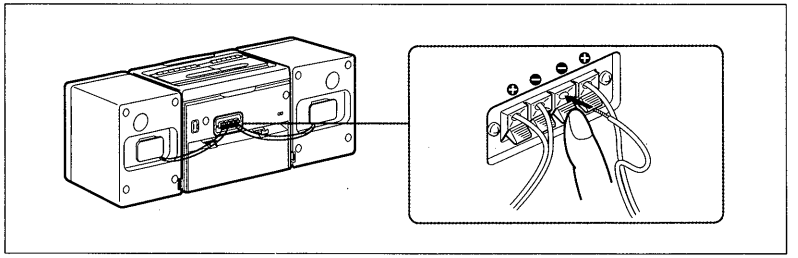
Align the grooves and slide the speaker box down. Ⓐ

To detach speakers
Unlock the speaker and slide the speaker box all the way up and away from the main unit. Ⓑ



To connect the speaker wire

- Turn off the power before connecting or disconnecting the speaker cords.
- Connect the speaker cord of the right speaker to the R connectors and left speaker to the L connectors.
- Connect black wires to the – terminals and red wires to the + terminals.

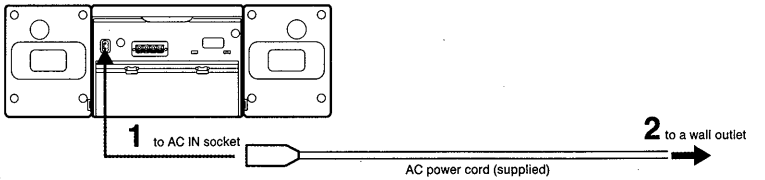


Power Sources

Preparation: Insert batteries for clock/timer/ memory.
You can use the unit either on house current, or on batteries. In either case, be sure to insert four size AA (R6) batteries (not supplied) for the clock/timer/ memory.

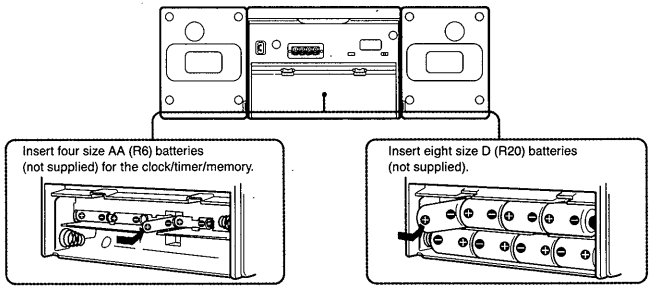
Notes
- When you insert or replace batteries, remove the disc from the unit. The disc may fall out and be damaged.
- When you operate the unit on battereis, be sure to disconnect the AC power cord from the unit. The unit cannot be operated on the internal batteries when the AC power cord is connected to the unit.

House Current



Note
Be sure to use the supplied AC power cord.

Batteries



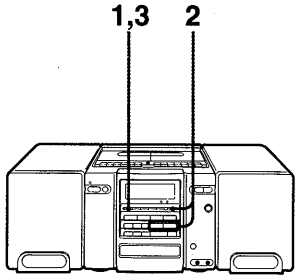
When you use the unit on batteries, the back light does not go on.

When to replace batteries
When the batteries become weak, the following symptoms appear. Replace all the batteries with new ones. Be sure to connect the AC power cord to the unit and to a wall outlet and turn the power on before you remove the batteries so that the memory for the CD player and radio will not be erased.
- Batteries for the CD/tape/radio operation: the OPR/BATT indicator becomes faint or the power may turn off automatically.
- Batteries for the clock/timer/memory operation: the indications in the display window become faint or the unit may not operate.

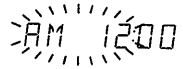
For critical recordings or disc playing
Operating the unit on house current is recommended.

Setting the Clock

Insert four size AA (R6) batteries for the clock/timer/memory in the battery compartment, and connect the supplied AC power cord to the unit or insert eight size D (R20) batteries.



1 Keep pressing CLOCK for about 4 seconds until "AM" or "PM" and the hour digits flash.

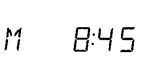


2 Set the hour and minute by pressing TUNING/TIME SET and ENTER/MEM.

Example: To set to 8:45 p.m.

3 Press CLOCK again.

The clock starts from 00 second.

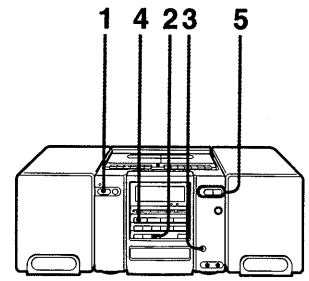


The clock employs the 12-hour system
AM 12:00 = midnight
PM 12:00 = noon

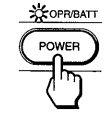
To check the time during CD or radio operation
Press the CLOCK button. The current time is displayed for about 4 seconds.

Playing Discs

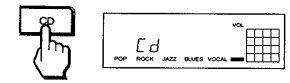
You can operate the unit with the supplied remote commander.
You can play an 8 cm (3-inch) CD without an adaptor.



1 Press POWER.

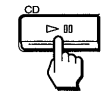


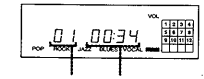
2 Press CD.



4 Press ▷II.

Playing starts from the beginning of the disc.





Selection number being played — Elapsed playing time

To Display the Remaining Time

You can do this with the supplied remote commander only.

Press the DISPLAY button once during play, and the remaining time of the selection is displayed.

Selection number being played — Remaining time of the selection

Press the DISPLAY button once more, and the remaining time of the disc and the remaining selection numbers are displayed.

Remaining number of selections — Total remaining time of disc

For normal display, press the DISPLAY button.

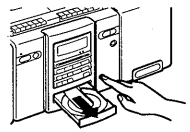
Notes on information display

- To display the total number of the selections and the total playing time, press the DISPLAY button in the stop mode.
- If there is no disc in the disc tray, the following indication will appear in the display window several seconds after you press the CD button.

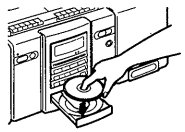
- Up to 16 selections can be displayed in the music calendar. If the disc has more than 17 selections, "OVER 16" appears in the display window.

- The remaining time of the selection from the 17th selection appears as "––:––".

3 [1] Press ⏏ OPEN/CLOSE.



[2] Insert a disc with label surface up.

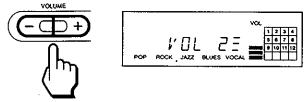


[3] Press ⏏ OPEN/CLOSE.

Note

Be careful so that your finger will not get caught when you close the disc tray.

5 Adjust the volume.



To stop playing the CD

	The button to be pressed	
	Unit	Remote commander
Pause for a moment	▷II	II
Resume play after pause	▷II	II
Stop play	□	■
Remove the disc	First □, then ⏏ OPEN/CLOSE	First ■, then ⏏

To turn off the power

Press the POWER button.

Information Display

The numbers, which appear during pause or between selections, indicate the following:

While in pause

The elapsed playing time flashes.

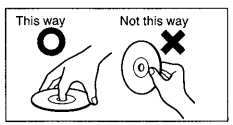
Between selections

The remaining time before the next selection is displayed.

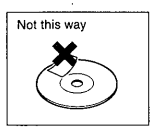
Note

Since the CD system offers a wide dynamic range, high level peak inputs are recorded with high fidelity, and the noise level is very low. Do not turn up the volume while listening to a portion with very low inputs or no audio signals. If you do, the speakers may be damaged when a peak level portion is played.

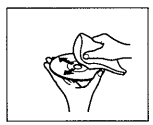
Notes on Compact Discs



Handle the disc by its edge, and to keep the disc clean, do not touch the surface.



Do not stick paper or tape nor write anything on the surface.



Before playing, clean the disc with a CD cleaner (not supplied).
Wipe the disc from the center out.
For maintenance of discs, see page 46.

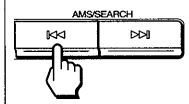
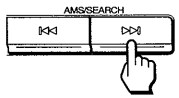
To Listen to the Desired Selections

To locate the beginning of a selection (AMS*)

Be sure any of the following indications is not displayed in the display window: REP 1, REP ALL, REP SHUF, SHUF, PGM, REP PGM. If one of these indications is displayed, press the □ (stop) button to clear the indication.

Unit

Press the ⏮ or ⏭ button during play or in pause.

To locate the beginning of the selection being played	To locate the beginning of the next selection
	
Press once.	Press once.

*AMS: Automatic Music Sensor

Remote Commander

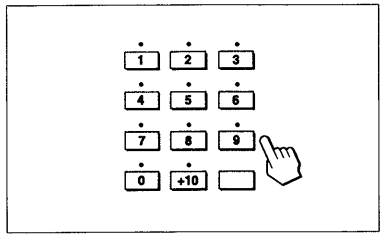
Press the ⏮ or ⏭ button during play or in pause.

To locate the beginning of the selection being played	To locate the beginning of the next selection
Press once.	Press once.

- **During play**
  When you press the ⏮ button once during play, the beginning of the current selection is located. When you press the ⏭ button once during play, the beginning of the next selection is located.
- **In pause**
  When you press the ⏮ button once in pause, the beginning of the selection in pause is located and the disc pauses. When you press the ⏭ button once in pause, the beginning of the next selection is located and the disc pauses.
- When you keep pressing the ⏮ or the ⏭ button for more than one second during play or pause, you can review or advance disc playing rapidly.

To select the desired selection directly

Press the number of the desired selection on the remote commander, and the play starts immediately.



When a selection number is higher than 10, press the +10 button first, then the number buttons "1" to "0".

Example:
To play from the 10th selection

Press +10 → 0

Display 1- 10

To play from the 33rd selection

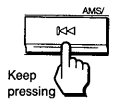
Press +10 → +10 → +10 → 3

Display 1- 2- 3- 33

To Search for a Particular Point in a Selection (Search)

To review or to advance rapidly
Keep pressing the AMS/SEARCH⏮/⏭ button on the unit or the ◀◀/▶▶ button on the remote commander to review or to advance disc playing rapidly.

Unit

To review disc playing rapidly	To advance disc playing rapidly
	

Remote commander

To review disc playing rapidly	To advance disc playing rapidly

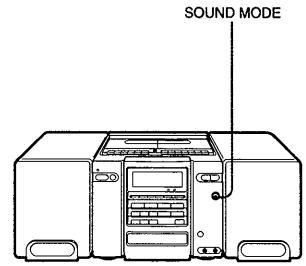
Release the AMS/SEARCH ⏮/⏭ button on the unit or the ◀◀/▶▶ button on the remote commander at the desired point, located by monitoring the high-speed sound.

In the pause mode, you can search rapidly by pressing the AMS/SEARCH ⏮/⏭ button on the unit or the ◀◀/▶▶ button on the remote commander. However, since you cannot hear the sound, observe the time counter instead to locate the desired point.

Adjusting Sound

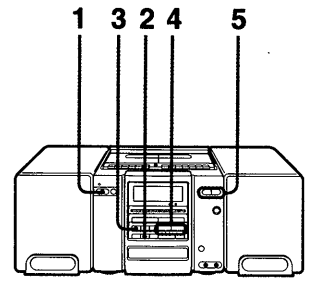
Five kinds of sound styles are stored in the unit. Press the SOUND MODE button, and you can enjoy the desired sound. Each time you press the button, the indication in the display window changes as follows: POP → ROCK → JAZZ → BLUES → VOCAL → normal mode (no indication) → POP → . . . .
Select your desired sound, observing the display window.

You can do this with the supplied remote commander.

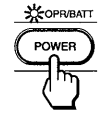


POP	Gives light, bright sound, emphasizing high and middle range sounds.
ROCK	Gives powerful and clear sound, emphasizing low and high sound.
JAZZ	Gives heavy sound, emphasizing bass sound.
BLUES	Gives powerful and rich sound, emphasizing middle range sound and the bass sound a little higher than "JAZZ".
VOCAL	Provides more presence of vocals, emphasizing middle range sound.
normal	It is recommended to set to the normal mode to listen to selections with a dynamic range, such as classical music.

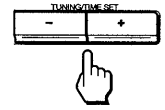
Listening to the Radio (You can do this with the supplied remote commander.)



1 **Press POWER.**

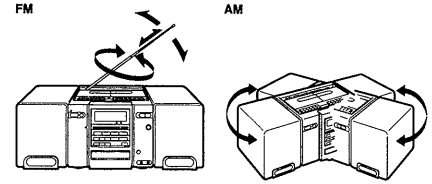


4 **Tune in the desired station.**



When the unit receives FM stereo programs
The ST (stereo) indication lights. When there is much noise while receiving FM stereo programs, display the "Mono" indication by pressing the MODE button. Though this eliminates the stereo effect, the noise will be reduced. When you press the MODE button once, the sound you are listening to (stereo or monaural) is displayed. To change the sound, press the button again while the "STEREO" or "Mono" (monaural) indication is displayed.

To improve the receiving condition



Notes

- When you listen to an AM program near a TV, noise may be heard in the AM program. When you listen to an FM program near a TV with an indoor antenna, the picture of the TV may become unstable. In such cases, move the unit away from the TV.
- When you operate the supplied remote commander while listening to an AM program, noise may be heard.
- If a very weak station or a frequency without a station is tuned in during FM reception, the ST (stereo) indication may appear. This is not a malfunction. To listen to the sound, press the MODE button and display the "Mono" (monaural) indication.
- The sound may be interrupted momentarily when you switch the stereo/monaural mode during FM reception; however, a malfunction.

2 **Press RADIO.**

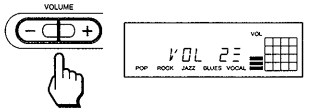
3 **Select the desired band, FM or AM by pressing the BAND.**

With each press of the button, the band changes.

Desired band	Band indication
FM	"FM"
AM	"AM"

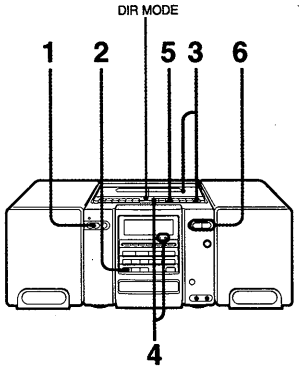
Auto tuning
Keep pressing the TUNING/TIME SET button and release it when the digits in the display window begin to change. The digits automatically stop when the unit tunes in a station in good receiving condition.

5 **Adjust the volume.**

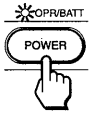


To turn off the radio
Press POWER again.

Playing Back Tapes (Either deck can be used. The procedure below shows deck B.)

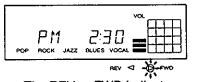


1 **Press POWER.**



2 **Press TAPE.**

4 **Check the tape transport direction with ◁REV/FWD▷ (reverse/forward) indicators (CFD-767, deck B only).**
If required, switch the tape transport direction by pressing the ◀‖▶ button.



The REV or FWD indicator lights, depending on the direction of the tape.

5 **Press ▶ PLAY.**

To wind a cassette rapidly in the forward or reverse direction, press the following buttons:

	Wind rapidly in forward direction	Wind rapidly in reverse direction
Upper side	▶▶	◀◀
Reverse side (CFD-767 only)	◀◀	▶▶

During the rapid playback or rewinding, the REV or FWD lamp lights.

To select direction mode (CFD-767 deck B only)
Set the DIR MODE selector to the desired position.

	Direction mode
To play back one side of a cassette	⇄
To play back both sides of a cassette from the upper side to the reverse side of a cassette*	⇉

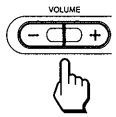
*If playback begins from the reverse side, the tape stops at the end of that side.

To listen to the opposite side during playback (CFD-767 deck B only)
Press the ◀‖▶ button.

3 **Insert a recorded tape.**

Close the holder

6 **Adjust the volume.**



To stop playback
Press the ■⏏ button.

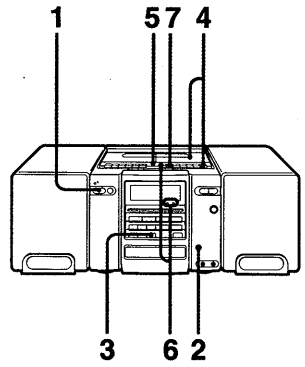
To pause for a moment
Press the ❚❚ button.
(To resume play after a pause, press the ❚❚ button.)

To remove a cassette
Press the ■⏏ button.

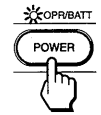
To turn off the power
Press the POWER button.

To locate the desired position (CFD-767 deck B only)
Keep pressing the ◀◀ or ▶▶ button (CUE/REVIEW function) during play.
At the desired point found by listening to the high speed sound, release the ◀◀ or ▶▶ button to resume play.

Recording CD Sound (with deck B)



1 **Press POWER.**



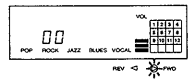
2 **Insert a disc in the disc tray (see page 13).**

5 **Select the direction mode with DIR MODE (CFD-767 only).**

	Direction mode
To record on one side of a cassette	⇄
To record on both sides of a cassette*	⮌

*Both-side-recording should be started from the forward side.

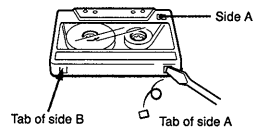
6 **Check the tape transport direction (CFD-767, deck B only).**
If required, switch directions by pressing the ◀❙▶ button.



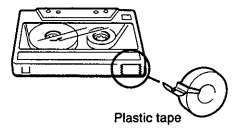
Checking the remaining time of the disc
Press the DISPLAY button on the remote commander.

Press DISPLAY...	You see...
once	the remaining time of the selection being played.
twice	the remaining time of the disc and the number of remaining selections.

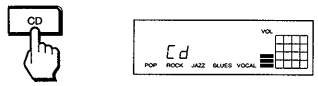
To prevent accidental erasure
Break off the cassette tab of side A or B as illustrated.



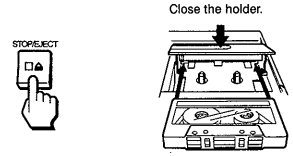
To reuse a cassette for recording, cover the broken tab slot.



3 **Press CD.**



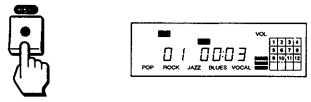
4 **Insert a cassette in deck B with the side to be recorded up.**



Use a TYPE I (normal) tape only.

7 **Press ● REC on deck B.**

▶ PLAY is depressed automatically.
The REC and DUB indications appear and recording starts from the beginning of the disc (CD synchronized starting system).



To stop recording
Press the □ (stop) button on the CD player section and the ■⏏ button on deck B.

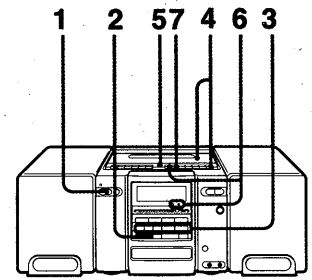
To turn off the unit
Press the POWER button.

The recording level is adjusted automatically.
The setting of the VOLUME buttons or the SOUND MODE button does not affect the recording level. During recording you can listen to the sound, adjust the volume of the speakers or headphones, or change the sound mode.

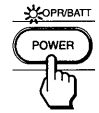
To erase the recorded sounds
1 Press the TAPE button to display the "TAPE" indication.
2 Disconnect the microphone if connected to the MIX MIC jack.
3 Press the ● button.

Note on recording
During recording, only the □ (STOP) and the ⏏ (OPEN/CLOSE) button for CD and the ■⏏ button for tape can be operated, and only the ■ (STOP) and the ⏏ buttons on the remote commander can be operated.

Recording Radio Sound (with deck B)



1 **Press POWER.**



2 **Press RADIO.**

5 **Select the direction mode with DIR MODE (CFD-767 only).**

	Direction mode
To record on one side of a cassette	⇄
To record on both sides of a cassette*	↻

*Both-side-recording should be started from the foward side.

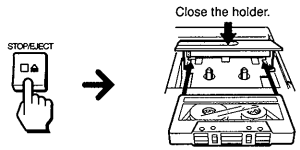
To reduce noise while recording AM
If a whistling noise is heard, set the ISS switch* (on the rear of the unit) to the position where the noise is reduced best. Normally set it to "2".

*ISS: Interference Suppress Switch

Notes
- If you use the supplied remote commander near the unit while listening to an AM program, noise might be heard.
- When you record radio sound, operating the unit on house current with the supplied power cord is recommended.

3 **Tune in the desired station (see page 16).**

4 **Insert a blank cassette in deck B.**



Use a TYPE I (normal) tape.

6 **Check the tape transport direction (CFD-767 only).**
If required, switch directions by pressing the ◀I/I▶ button.

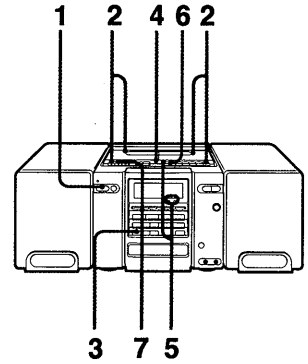
7 **Press ● REC on deck B.**
▶ PLAY is depressed automatically.
REC indication appears and recording starts.

To stop recording
Press the ■⏏ button on deck B.

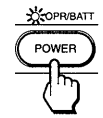
To turn off the unit
Press the POWER button.

The recording level is adjusted automatically.
The sound to be recorded is not affected by the setting of the VOLUME buttons or the SOUND MODE button.

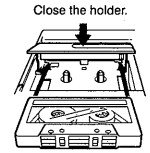
Tape Dubbing (from deck A to deck B)



1 **Press POWER.**



2 **Insert a recorded cassette in deck A.**



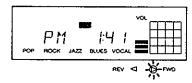
The upper side is to be played back.

4 **Select the mode with the DIR MODE (CFD-767 only).**

	Direction mode
To record on one side of a cassette	⇄
To record on both sides of a cassette*	⇄

*Both-side-recording should be started from the forward side.

5 **Check the tape transport direction (CFD-767 only).**
If required, switch directions by pressing the ◀I/I▶ button.



Notes
- If deck A's tape finishes first, the ▶ button will automatically be released and deck B will also stop. The ● and the ▶ buttons are still depressed. To release them, press the ■⏏ button.
- If deck B's tape finishes first, the ● and ▶ button on deck B will automatically be released. Deck A will continue to play.

Insert a blank cassette in deck B.

Close the holder.

The upper side is to be recorded.
Use a TYPE I (normal) tape only.

3 **Press TAPE twice to display the DUB indication.**

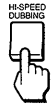
6 **Press ● REC on deck B.**

The ▶ button is depressed automatically.
The REC indication appears and the unit will standby.

7 **Press ▶ PLAY or HI-SPEED DUBBING on deck A.**

For normal dubbing

For high-speed dubbing



To stop dubbing
Press the ■⏏ button on deck A and then deck B.

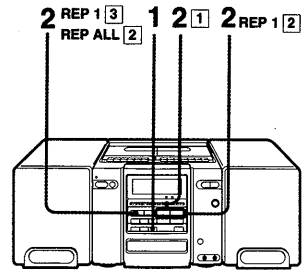
To turn off the unit
Press the POWER button.

The recording level is adjusted automatically
The sound to be recorded is not affected by the setting of the VOLUME buttons or the SOUND MODE button.

Various Disc Playing Modes

Each time you press the MODE button, the playing mode changes in sequence as indicated in the display window:
REP (repeat) 1 → REP (repeat) ALL → REP SHUF (repeat shuffle play) → SHUF (shuffle play) → PGM (program play) → REP PGM (repeat program play) → normal play.
Select the desired mode by observing the display window.

To Repeat Selections — Repeat Play

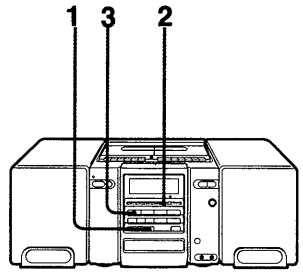


1 **Press CD to display the "Cd" indication.**

2 **Repeat 1**
1 Press MODE to display the REP 1 indication.

Note
Make sure neither PGM nor SHUF indication is displayed before proceeding with the steps above. If either is displayed, press the □ (stop) button.

To Play Selections in a Random Order — Shuffle Play



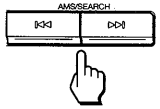
1 **Press CD to display the "Cd" indication.**

2 **Press MODE until the SHUF indication appears.**

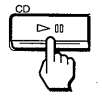
Note
You cannot display the remaining time of the disc during shuffle play.

What does [ ] mean?
This indication means the unit is shuffling the selections.

2 Choose the desired selection with the I◁◁ or ▷▷I button (or the number buttons on the remote commander).

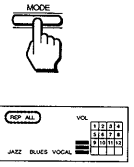


3 Press ▷II.



Repeat All

1 Press MODE to display the REP ALL indication.



2 Press ▷II.

To stop repeat play
Press the □ (stop) button.

To release repeat play and to return to normal play
Press the MODE button until no indication appears or press the □ button while the CD player is in stop mode.

Note
During repeat play, the remaining time of the disc cannot be displayed.

3 Press ▷II.

When a selection finishes playing, its number disappears from the music calendar.

To stop shuffle play
Press the □ (STOP) button.
When all the shuffle play is finished, the player stops.

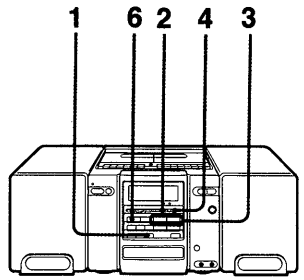
To release shuffle play and to return to normal play
Press the MODE button until no indication appears or press the □ button while the CD player is in stop mode.

When you press the MODE button during normal play
Shuffle play begins from the selection being played.

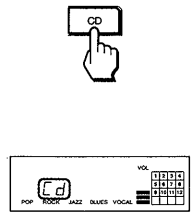
To repeat selections in a random order — Shuffle repeat
1 Press the CD button to display the "Cd" indication.
2 Press the MODE button until the REP SHUF indication appears.
3 Press the ▷II button.

To Play Selections in the Desired Order — Program Play

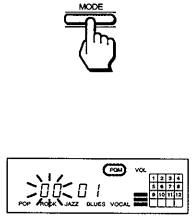
Unit



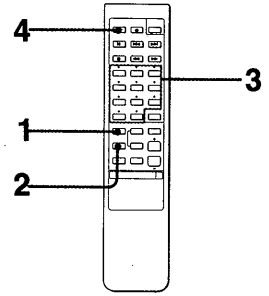
1 Press CD to display the "Cd" indication.



2 Press MODE until the PGM indication appears.



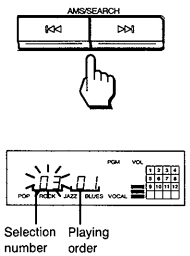
Remote commander



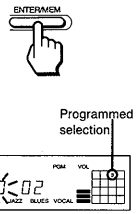
1 Press CD to display the "Cd" indication.

2 Press MODE until the PGM indication appears.

3 **Select the desired selection by pressing AMS/SEARCH ⏮/⏭.**



4 **Press ENTER/MEM.**



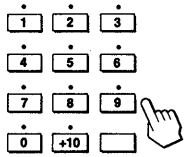
The selection has been programmed.

5 **Repeat steps 3 and 4.**
Select selections in the order you want to play them.
Up to 17 selection can be programmed.

6 **Press ▷II.**

The selection programmed first begins to play.
The numbers of the finished selections disappear from the music calendar.

3 **Press the number buttons in the desired order.**
The selections are programmed in the order the numers are pressed.



Up to 17 selections can be programmed.

4 **Press ▶**

The selection programmed first begins to play.
The numbers of the finished selections disappear from the music calendar.

To stop the program play
Press the □ or ■ (stop) button.

To reprogram the selections from the beginning
1 Before play starts, press the □ or ■ (stop) button once.
During play, press the □ or ■ (stop) button twice.
2 Repeat the steps from the beginning.

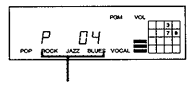
To reprogram the selections while programming (only before play starts)
Press the EDIT/PGM CLEAR button twice, and the selection programmed last disappears from the music calendar. With each press, the programmed selections disappear one by one.
When all the selections disappear from the music calendar, reprogram selections.

To release program play and to return to normal play
Press the MODE button until no indication appears.

When the programmed selections have finished
The selection numbers in the music calendar disappear one by one, but when the last selection has finished, the programmed selections are displayed again.
By pressing the ▷II button, you can repeat the same program play as many times as you wish.

To program a pause

Unit
1 Press the ⏮ or the ⏭ button until the "P" indication appears in the display window.
2 Press the ENTER/MEM button.
A pause counts as one selection.



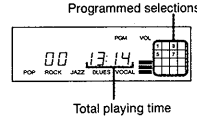
A pause has been programmed as the 4th selection.

Remote commander
Press the II button where you want to program a pause.

The player pauses when it comes to the position where a pause is programmed. To resume playing, press the ▷II button on the unit or the II button on the remote commander.

To check programmed selections (only before program play)
During programming, press the ENTER/MEM button on the unit or the PGM CHECK (▶▶) button on the remote commander. With each press, the selections appear in the programmed order.

To check the total playing time of the programmed selections (only before program play)
Press the DISPLAY button on the remote commander.
The total playing time appears instead of the playing order.



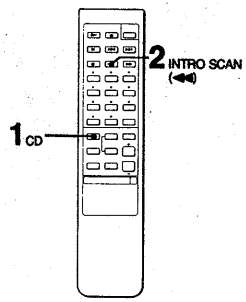
When you program a pause in the programmed selections, the playing time after the pause appears. To return to the normal display, press the DISPLAY button.

To erase the programmed selections
The programmed selections are erased in the following cases:
- When you press the □ (stop) button twice during the program play.
- When you press the □ (stop) button in the stop mode.
- When you open the disc tray.

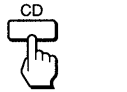
To repeat the desired selections in the desired order — Program Repeat
1 Press the CD button to display the "Cd" indication.
2 Press the MODE button until the REP PGM indication appears.
3 Program the desired selections (see page 28).
4 Press the ▷II button.
The same program is played repeatedly.

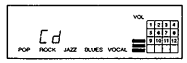
To Scan the Beginning of the Selections

You can scan the first 10 seconds of all the selections during normal play, shuffle play and program play.



1 **Press CD to display the "Cd" indication.**





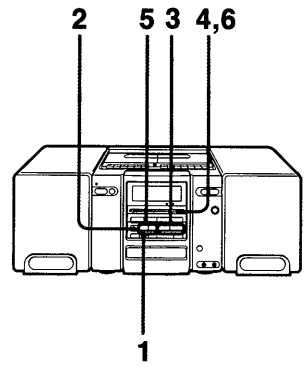
2 **Press INTRO SCAN while the CD player is in stop mode.**
Intro scan play starts immediately.

To release the intro scan play
Press any button for disc play.

Note
Even if a pause is programmed in program play, the intro scan play skips the pause.

Presetting Radio Stations

Once you preset the stations, you can listen to the desired station just by pressing the PRESET button on the unit or the number buttons on the remote commander.
You can preset up to 24 stations, 12 for each AM and FM band.

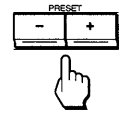


1 **Press RADIO to display the "RAdIO" indication.**

2 **Select the desired band, FM or AM by pressing BAND.**

To tune in the preset station

Unit
Select the band, then select the desired number by pressing "–" or "+" of the PRESET button.



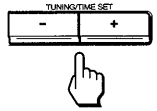
Remote commander
Select the band, then press the number button of the desired preset number.

When you want to tune in the station:

With the preset number...	Press...
1 to 9	1 to 9
10	+10 → 0
11	+10 → 1
12	+10 → 2

Notes on storing stations
- When you enter a new station on a preset number, the previous station will be erased automatically.
  The only way to erase a station from the memory is to store a new one in its place.
- The preset stations are erased when you remove the AC power cord or the batteries for the unit. We recommend to insert four size AA (R6) batteries (not supplied) for clock/timer/memory before you use the unit.

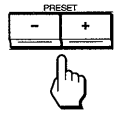
3 **Tune in the desired station.**



4 **Press ENTER/MEM for about 2 seconds.**

A preset number flashes in the music calendar.

5 **Select the desired preset number by pressing PRESET.**



6 **Press ENTER/MEM.**

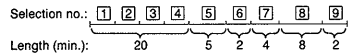
FM 87.6 has been stored on preset number 3.

Automatic Editing of the CD for Recording

The unit automatically edits the selections on a disc according to the tape length.
The recording length is up to 99 minutes and up to 16 selections can be edited.

There are three ways of editing.
Each time you press the EDIT/PGM CLEAR button, the editing mode changes in sequence as indicated in the display window: EDIT 1 → EDIT 2 → EDIT 3 → normal recording.

Example: To record the disc below on a 46-minute tape (23 minutes for each side)

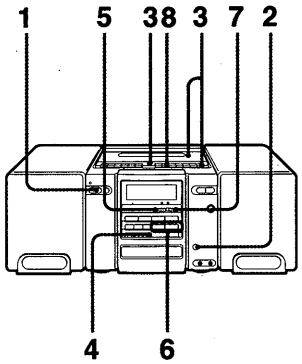


EDIT 1:
The unit edits selections without changing the original order. When the total playing time for one side exceeds the specified tape length, the remaining selections are recorded on the reverse side of the tape.
- In the example above, the playing time of the first 4 selections adds up to 20 minutes leaving only 3 minutes. As the 5th selection is 5 minutes long, the 5th and the succeeding selections are recorded on the reverse side of the tape.
  Upper side: the total playing time is 20 minutes.
  Reverse side: the total playing time is 21 minutes.

EDIT 2:
The unit edits selections to best fit the tape length.
As a result, the selection order may be changed.
- In the example above, the unit adds up the first 4 selections. Then, with 3 minutes left, it looks for a selection that fits into the remaining time and so selects the 6th.
  Upper side: the total playing time is 22 minutes.
  Reverse side: the total playing time is 19 minutes.

EDIT 3:
The unit records all the selections to the tape. When one side of the tape ends with the last selection unfinished, the unit records from the beginning of the unfinished selection.

Notes
- Use a tape which is longer than the total playing time of the disc.
- When you press the EDIT/PGM CLEAR button, the selection order stored for program play (see page 28) is erased.
- To record the selections which cannot be recorded on the specified tape after the selection has been programmed for automatic editing, press the MODE button five times to display the PGM indication first and then record.
- When you open the disc tray, the selection order programmed for automatic editing is erased.

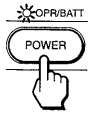


5 **Select EDIT 1, EDIT 2 or EDIT 3 by pressing EDIT/PGM CLEAR.**

EDIT 1:

by Specifying the Tape Length

1 **Press POWER.**



2 **Insert the disc in the unit (see page 13).**

3 **Insert a blank cassette into deck B. Select "⇄" with DIR MODE (CFD-767 only).**
Use a TYPE I (normal) tape only.

4 **Press CD to display the "Cd" indication.**

- Make sure the disc is not moving. During play, the edit function does not work.
- When the SHUF or the PGM indication is displayed in the display window, press the □ (stop) button once until the indication disappears.

6 **Enter the total tape length by pressing TUNING/TIME SET (−/+).**

EDIT 2:

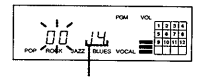
EDIT 3:

Proceed to step 8.

(continued on next page.)

7 **Press ENTER/MEM.**

When the total playing time is shorter than the tape length:



This indicates that 12 selections plus a pause have been programmed. (Additional selections can be programmed from the 14th step.)

The PGM indication is displayed to indicate that programming has been completed.

When the total playing time is longer than the specified tape length:

The tape length flashes and "--" is displayed. Replace the tape with a longer one, and repeat from step 6.

8 **Press ● on deck B.**
► PLAY is depressed automatically.
The REC and DUB indications appear in the display window and recording starts.

To check the programmed selections (EDIT 1 and EDIT 2 only)
Press the PGM CHECK (▶▶) button on the remote commander while the disc is not moving. You can check the selections from the beginning one by one. After pressing the DISPLAY button, press the PGM CHECK (▶▶) button on the remote commander, and the time added up on each side will be displayed.

When recording on the upper side is finished

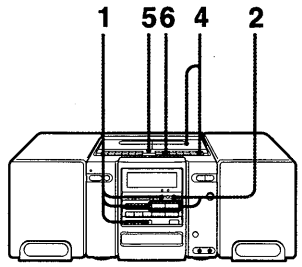
On the CFD-757
The CD player is set to the pause mode and the tape runs to the end of the upper side (any previous recordings will be erased). Operate as follows:
1 Take out the cassette and reverse the recording side.
2 Reinsert the cassette and press the ● button on the cassette deck.

The CD player starts to play and the cassette deck starts to record on the reverse side.

On the CFD-767
The CD player is set to the pause mode. The cassette deck starts to erase the remaining tape on the upper side, and then, the tape changes to the reverse side.
The CD player automatically starts to play and the cassette deck starts to record on the reverse side.

When all the selections have been recorded
Both the CD player and the cassette deck stop.

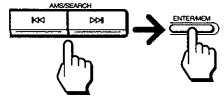
Recording Programmed Selections — Manual Program Edit



1 **Program selections to record on upper side (see page 28).**

If you want to record on both sides, go on to step 2.
If you want to record on just the upper side, go on to step 5.

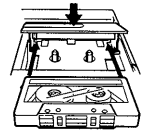
2 **Program a pause by pressing AMS/SEARCH and ENTER/MEM.**



3 **Program selections to record on the reverse side.**

4 **Insert a cassette in to deck B.**

Close the holder.



Use a TYPE I (normal) tape only.

5 **CFD-767 only**
To record on one side, set to ⇄.
To record on both sides, set to ⇄.

6 **Press ● REC.**
The REC and DUB indications appear in the display window and recording starts.

When recording on the upper side finished

On the CFD-757
After the cassette deck stops, reverse the tape and press the ● button on the cassette deck.

On the CFD-767
The tape reverses automatically and recording starts on the reverse side.

To program selections with the total playing time displayed
Press the DISPLAY button to display "——:——" indication during programming selections. The total playing time of programmed selections is displayed.

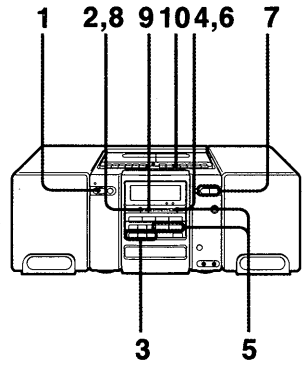
Note
When you record CD or tape sound, operating the unit on house current with the supplied power cord is recommended.

Using the Built-in Timer

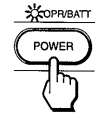
Four size AA (R6) batteries (not supplied) should be inserted.

To Listen to the Desired Sound at the Desired Time

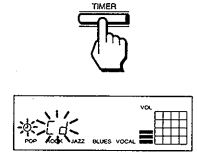
You can wake up to the desired sound at the desired time when you set the timer-on time.
Make sure the current time is correct. If it is not, correct it referring to page 11.
Make sure the ⏲ indication is not displayed in the display window.



1 **Press POWER.**

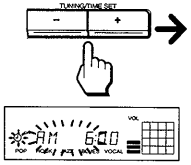


2 **Press TIMER, and the ⏲ and function indications flash.**

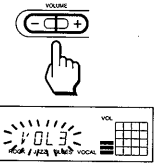


4 **Press ENTER/MEM.**

5 **Set the timer-on time by pressing TUNING/TIME SET and ENTER/MEM.**
Example: to set to 6:15 a.m.



7 **Set the desired volume by pressing VOLUME.**



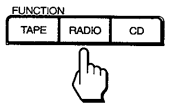
You can choose the volume from 10 gradations.

8 **Press TIMER.**
What you programmed have been stored.

At the preset time...
At the timer-on time, the power is turned on and the sound comes on automatically.
Even when the power is turned on at the timer-on time, the back-light does not light.
120 minutes after the timer-on time, the power will be turned off automatically.

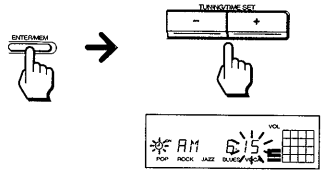
To confirm the timer-on time, the function and the volume
Press the TIMER button, then the ENTER/MEM button. Each time you press the ENTER/MEM button, what you stored appears. After you have confirmed, press the TIMER button again.

3 Select and prepare the desired sound source.

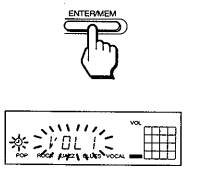


	Indication	Preparation
To listen to a disc*	"Cd"	Place a disc on the disc tray.
To listen to the radio	"RAdIO"	Tune in the desired station.
To listen to a tape (CFD-767 only)	"TAPE"	Insert a tape into deck B

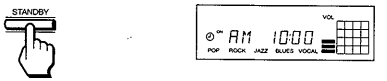
*You can listen to a disc in a playing mode other than the normal playing mode.



6 Press ENTER/MEM.



9 Press STANDBY.
The ⏲ indication is displayed and the power is turned off automatically.



10 Press PLAY on deck B when you listen to a tape.

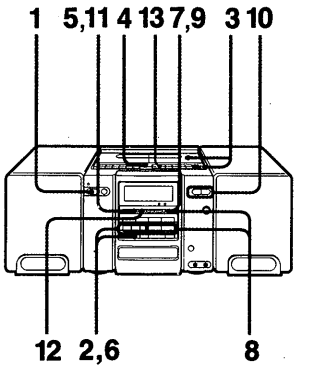
To stop the play in the middle
TAPE: press the ⏏ button, then the POWER button.
RADIO: press the POWER button.
CD: press the □ (stop) button, then the POWER button.

To release the timer-on time
Press the STANDBY button to make the ⏲ indication disappear from the display window.

To listen to the desired sound at the same time on the next day
You need not set the timer and the function again, because the preset time and the function are stored until you reset them. When the ⏲ indication is not displayed in the display window, press the STANDBY button again.

To Record Radio Programs at the Desired Time (CFD-767 deck B only)

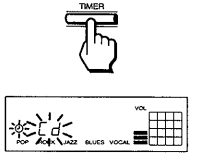
Make sure the current time of the unit is correct. If it is not, correct it referring to page 11.
Make sure the ⏲ indicaton is not displayed in the display window.



1 Press POWER.

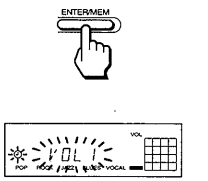
2 Select RADIO and tune in the desired station.

5 Press TIMER, and the ⏲ and function indications flash.

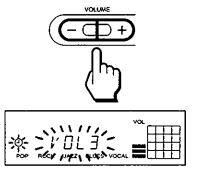


6 Press RADIO.

9 Press ENTER/MEM.



10 Set the desired volume by pressing VOLUME.



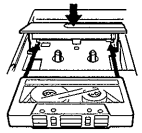
You can choose the volume from 10 gradations.

At the preset time
At the timer-on time, the power is turned on and the sound comes on automatically.
Even when the power is turned on at the timer-on time, the back light does not light.
120 minutes after the timer-on time, the power is turned off automatically.

To confirm the timer-on time, the function and the volume
Press the TIMER button, then the ENTER/MEM button. Each time you press the ENTER/MEM button, what you stored appears. After you have confirmed, press the TIMER button again. Then the display which had been displayed before you pressed the button reappears.

3 **Insert a blank cassette into deck B.**

Close the holder.

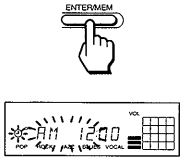


Use a TYPE I (normal) tape only.

4 **Select the desired tape direction mode with DIR MODE.**

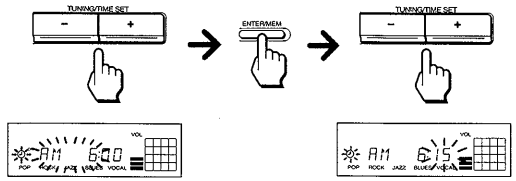
	Indication
To record on one side of a cassette	⇄
To record on both sides of a cassette	⮌

7 **Press ENTER/MEM.**



8 **Set the timer-on time by pressing TUNING/TIME SET and ENTER/MEM.**

Example: to set to 6:15 a.m.

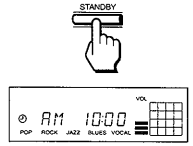


11 **Press TIMER.**

What you programmed have been stored.

12 **Press STANDBY.**

The ⏲ indication is displayed and the power is turned off automatically.



13 **Press ● REC.**

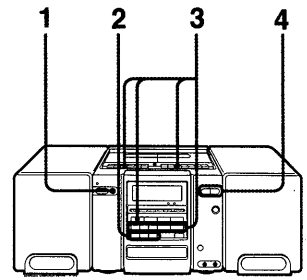
To stop recording in the middle
Press the ■⏏ button, then the POWER button.

To release the timer-on time
Press the STANDBY button to make the ⏲ indication disappear from the display window.

Note
For recording, using the unit on house current with the supplied AC power cord is recommended.

To Fall Asleep with the Desired Sound — Sleep Function

You can fall asleep listening to the desired program. While the sleep function is operating, the back-light does not light even when the power is on.



1 **Press SLEEP.**

The SLEEP indication and the indication before you turned off the unit appear in the display window.

If the power is off, it will be turned on automatically.

To stop the sleep function in the middle of the setting
Press the SLEEP button again or the POWER button.

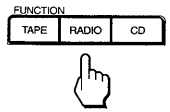
To reset the sleep time
Turn off the power, and repeat from step 1.

To fall asleep with the desired program and to be awakened with another program

1 Preset the desired program to wake up to.
Follow the procedures on page 38, 39.
2 Activate the sleep function.
Follow the procedures above.

As you can set different volume when you set the sleep function and the timer-on time, you can fall asleep at low volume and be awakened at high volume.

2 **Select the desired sound source by pressing the function button.**



3 **Play the desired sound source**

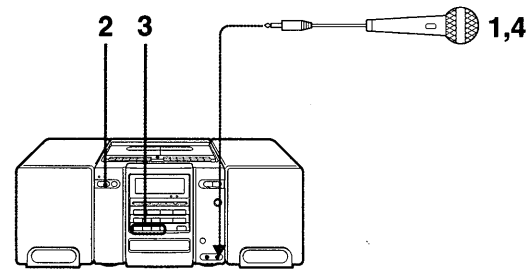
TAPE: Press the ▶ button.
RADIO: ① Select the desired band
② Tune in the desired station.
CD: Press the ▷II button.

The sleep function starts.

4 **Adjust the volume.**
120 minutes after you press the SLEEP button, the power is turned off automatically.

Microphone Mixing

You can sing with "karaoke" or add narration.



1 **Connect a microphone to the MIX MIC jack.**
Use a monaural microphone with mini-plug (not supplied).
If the microphone has a power switch, set it to ON.

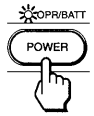
To record mixed sounds
Insert a cassette into deck B and set it in the recording mode.

To record mixed sound with tape
1 Insert a recorded cassette into deck A and a blank cassette into deck B.
2 Press the TAPE button to display the "TAPE" indication.
3 Press the ● button on deck B.

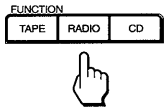
Public address system
1 Connect a microphone to the MIX MIC jack.
When the microphone has a power switch, set it to ON.
2 Press the POWER button.
3 Press the TAPE button to display the "TAPE" indication.
4 Adjust the volume.
When the unit is set in the recording mode, only the sound from the microphone is recorded.

Notes
- When howling (acoustic feedback) occurs, move the microphone away from the speakers.
- Microphone sounds cannot be mixed in the high-speed dubbing mode.
- It is not recommended to use a microphone equipped with an echo function.

2 **Press POWER.**



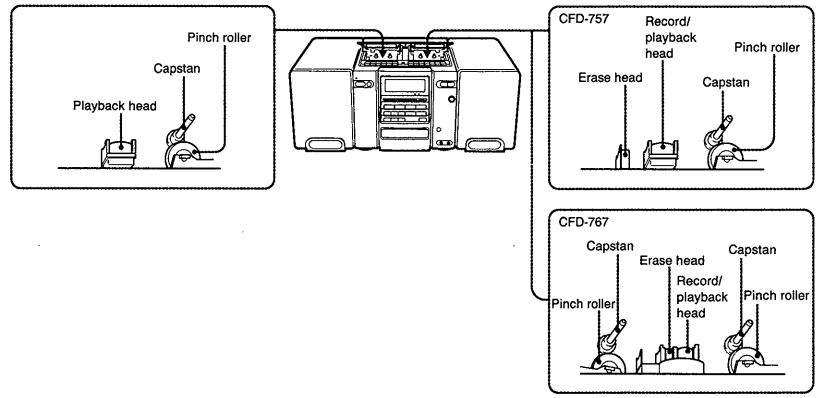
3 **Select and play the desired sound source.**



	Displayed indication
To mix with tape sound	"TAPE"
To mix with the radio	"RAdIO"
To mix with disc sound	"Cd"

4 **Sing or speak into the microphone.**

Maintenance



Cleaning the heads and tape path
Contaminated heads cause insufficient recording or sound drop-out in playback.
We recommend cleaning after every 10 hours of operation. To make the best possible recording, however, you should clean all surface over which tape travels before making each recording.

Wipe the heads, the pinch rollers and the capstans with a cleaning tip slightly moistened with cleaning fluid or alcohol.

After cleaning the heads, rollers and the tape path, insert a cassette when the areas cleaned are completely dry.

Demagnetizing head
After 20 to 30 hours of use, enough residual magnetism will have built up on the heads to begin to cause loss of high frequencies and hiss. At this time, you should demagnetize the heads and all metal parts in the tape path with a commercially available head demagnetizer.

Cleaning the cabinet
Clean the cabinet, panel and controls with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent, such as alcohol or benzine.

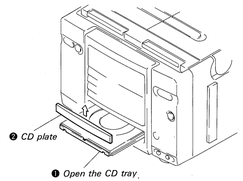
Notes on Compact Discs
- Before playing, clean the disc with a cleaning cloth. Wipe the disc from the center out.
- Do not use solvents such as benzine, thinner, commercially available cleaners or anti-static spray intended for analog discs.
- Do not expose the disc to direct sunlight or heat sources such as hot air ducts, nor leave it in a car parked in direct sunlight as there can be a considerable rise in the temperature inside the car.
- After playing, store the disc in its case.

If there is a scratch, dirt or fingerprints on a disc, it may cause tracking error.

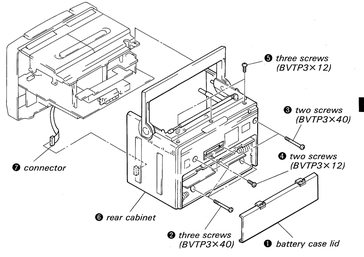
SECTION 3
DISASSEMBLY

NOTE: Follow the disassembly procedure in the numerical order given.

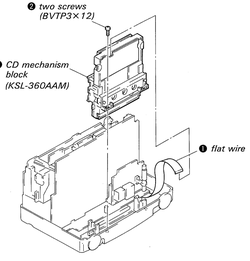
CD PLATE REMOVAL



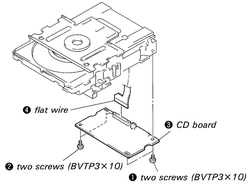
REAR CABINET REMOVAL



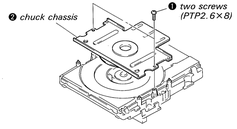
CD MECHANISM BLOCK REMOVAL



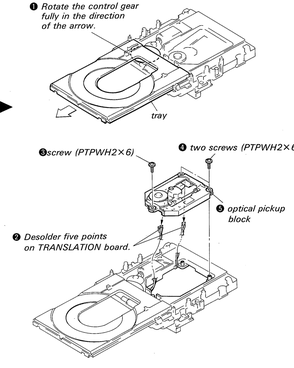
CD BOARD REMOVAL



CHUCK CHASSIS REMOVAL

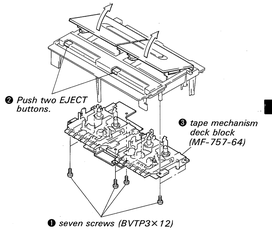


OPTICAL PICKUP BLOCK REMOVAL

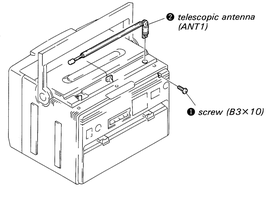

❶ Rotate the control gear fully in the direction of the arrow.
tray
❸screw (PTPWH2×6)
❹ two screws (PTPWH2×6)
❺ optical pickup block
❷ Desolder five points on TRANSLATION board.

TAPE MECHANISM DECK BLOCK REMOVAL

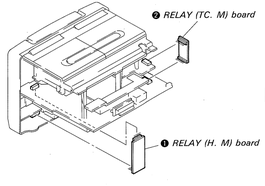
CFD-757



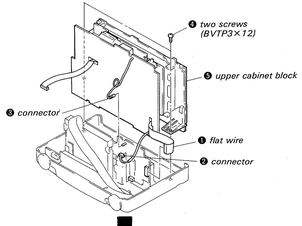
TELESCOPIC ANTENNA REMOVAL



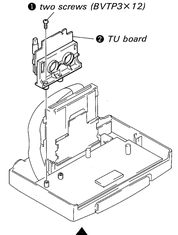
RELAY BOARD REMOVAL



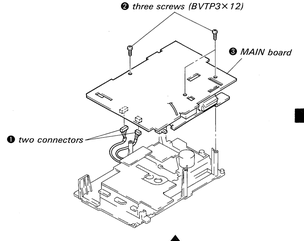
UPPER CABINET BLOCK REMOVAL



TU BOARD REMOVAL

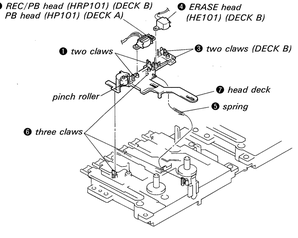


MAIN BOARD REMOVAL

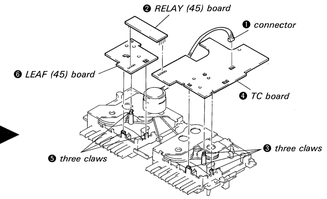


CFD-767

HEAD DECK AND HEAD REMOVAL

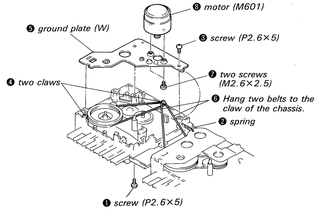


TC, LEAF (45) AND RELAY (45) BOARDS REMOVAL

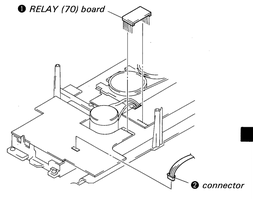


CFD-767

MOTOR REMOVAL

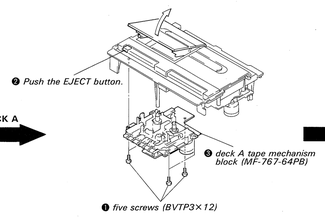

❺ motor (M601)
❸ ground plate (W)
❸ screw (P2.6×5)
❹ two claws
❼ two screws (M2.6×2.5)
❻ Hang two belts to the claw of the chassis.
❷ spring
❶ screw (P2.6×5)

RELAY (70) BOARD REMOVAL

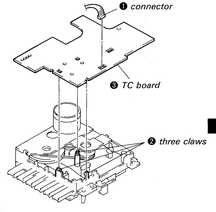


DECK A

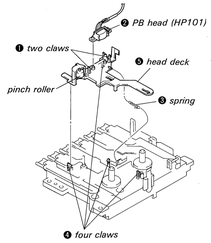
DECK A TAPE MECHANISM BLOCK REMOVAL



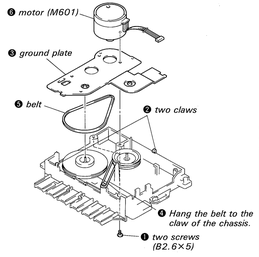
TC BOARD REMOVAL



HEAD DECK AND HEAD REMOVAL

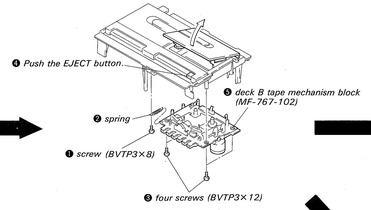


MOTOR REMOVAL

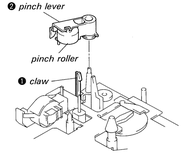


DECK B

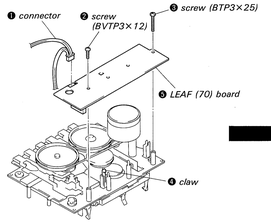
DECK B TAPE MECHANISM BLOCK REMOVAL



PINCH LEVER REMOVAL

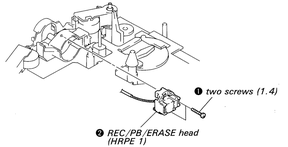


LEAF (70) BOARD REMOVAL

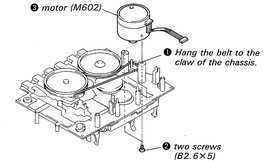


HEAD REMOVAL

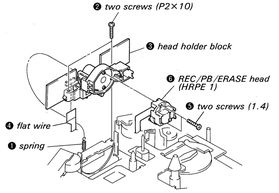
[FORMER TYPE]



MOTOR REMOVAL



[NEW TYPE]



SECTION 4
MECHANICAL ADJUSTMENT

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab:
   record/playback head　　pinch roller
   erase head　　rubber belts
   capstan　　idlers
2. Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head.)
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be perfomed with the rated power supply voltage unless otherwise noted.
6. Power supply voltage: 9V dc.

Torque Measurement
CFD-757

Torque	Torque meter	Meter reading
Forward	CQ-102C	20—60g · cm (0.28—0.83 oz · inch)
Forward back tension	CQ-102C	2—6g · cm (0.028—0.083 oz · inch)
Fast Forward	CQ-201B	more than 45g · cm (more than 0.62 oz · inch)
Rewind	CQ-201B	more than 45g · cm (more than 0.62 oz · inch)

CFD-767

Torque		Torque meter	Meter reading
Forward	DECK A	CQ-102C	20—60g · cm (0.28—0.83 oz · inch)
	DECK B		25—60g · cm (0.34—0.83 oz · inch)
Forward back tension	DECK A	CQ-102C	2—6g · cm (0.028—0.083 oz · inch)
	DECK B		2—5g · cm (0.028—0.069 oz · inch)
Reverse	DECK B	CQ-102RC	25—60g · cm (0.34—0.83 oz · inch)
Reverse back tension	DECK B	CQ-102RC	2—5g · cm (0.028—0.069 oz · inch)
Fast Forward	DECK A	CQ-201B	more than 45g · cm (more than 0.62 oz · inch)
	DECK B		more than 55g · cm (more than 0.76 oz · inch)
Rewind	DECK A	CQ-201B	more than 45g · cm (more than 0.62 oz · inch)
	DECK B		more than 55g · cm (more than 0.76 oz · inch)

Tape Tension Measurement
CFD-757

Mode	Meter	Meter reading
Forward	CQ-403A	more than 70g (more than 2.47 oz)

CFD-767

Mode		Meter	Meter reading
Forward	DECK A	CQ-403R	more than 70g (more than 2.47 oz)
	DECK B		more than 100g (more than 3.52 oz)
Reverse	DECK B	CQ-403R	more than 100g (more than 3.52 oz)

SECTION 5
ELECTRICAL ADJUSTMENT

TAPE RECORDER SECTION

PRECAUTION

1. Adjustments should be performed in the order given.
   Generally playback circuit adjusments should be completed before performing recording circuit adjustments.
2. Adjustments should be performed for both L-ch and R-ch.
   Switches and controls should be set as follows unless otherwise specified.

- **Positions of switches and control knobs**
  FUNCTION ····· TAPE
  DIR MODE ····· ⇆
  VOLUME ····· standard output level position

- **Standard input level**

Input Pin	MIX MIC
Signal source impedance	300 Ω
Input signal level	2.45 mV (− 50 dB)
Frequency	1 kHz

- **Standard output level**

Output Pin	PHONES
Signal source impedance	32Ω
Output signal level	0.25 V (− 10 dB)

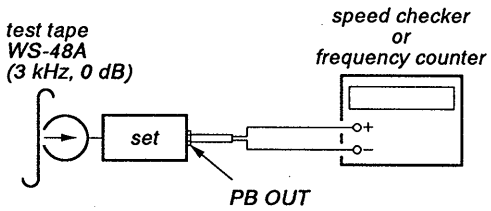
0 dB=0.775 V

- **Test tape**

Test Tape	Signal	Used for
WS-48A	3 kHz, 0 dB	Tape speed adjustment

Tape Speed Adjustment DECK A DECK B

Procedure:
Mode: FWD playback

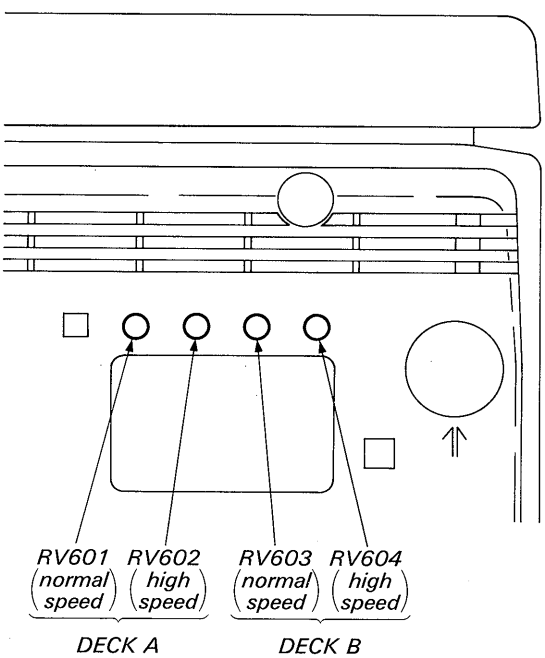


Perform high speed adjsutment before normal speed adjustment.
Playback the test tape WS-48A and adjust to meet the specifications below.

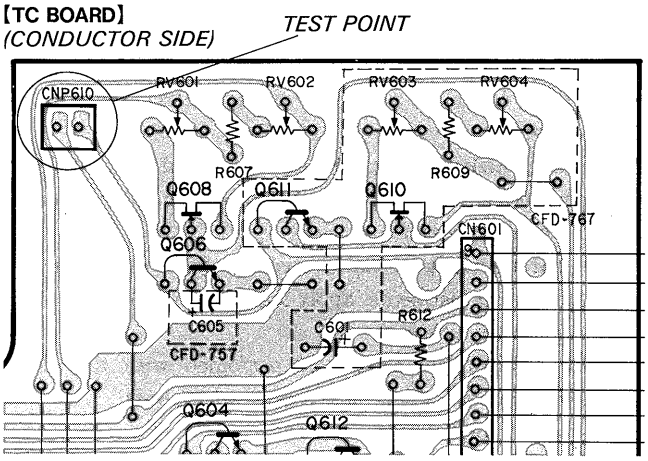
(CFD-767)
Adjustment Value:

Speed	deck	Adjust-ment part	test pin CNP610	speed checker reading	frequency counter reading
high	A	RV602	short	−0.33~0.33%	5,980~ 6,020 Hz
	B	RV604			
normal	A	RV601	open	−0.33~0.33%	2,990~ 3,010 Hz
	B	RV603			

Adjustment Location:



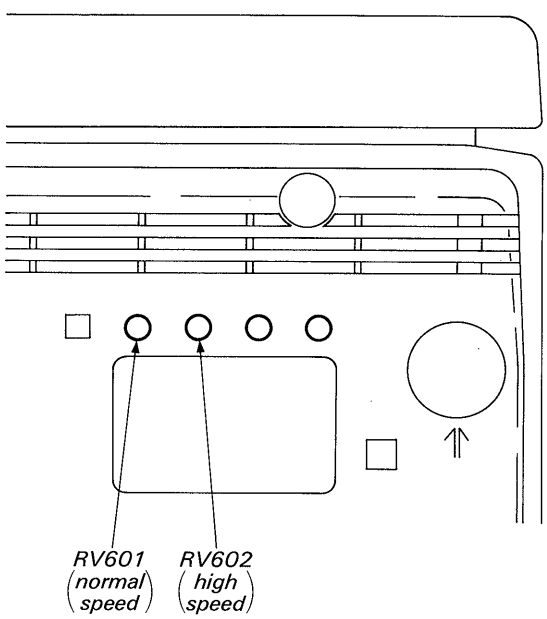
[TC BOARD]
(CONDUCTOR SIDE)



(CFD-757)
Adjustment Value:

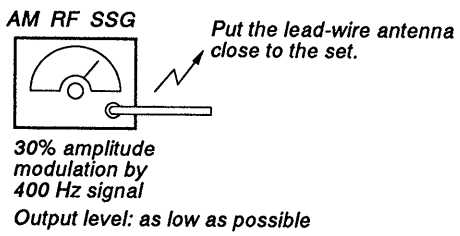
Speed	Adjust-ment part	test pin CNP610	speed checker reading	frequency counter reading
high	RV602	short	−0.33~0.33%	5,980~ 6,020 Hz
normal	RV601	open	−0.33~0.33%	2,990~ 3,010 Hz

Adjustment Location:

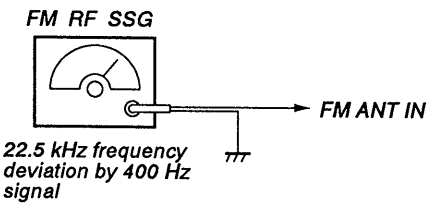


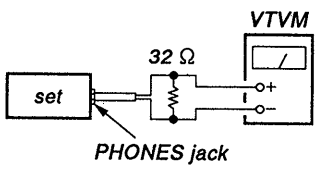
TUNER SECTION

[AM]
BAND switch: AM


AM RF SSG
Put the lead-wire antenna close to the set.
30% amplitude modulation by 400 Hz signal
Output level: as low as possible

[FM]
BAND switch: FM





- **Positions of switches and control knobs**
  FUNCTION ..... RADIO
  MODE ..... STEREO
  ISS 2
  VOLUME ..... standard output level position

- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

AM FREQUENCY COVERAGE ADJUSTMENT		
Adjustment part	Frequency Display	Reading on Digital voltmeter
L1	530kHz (531kHz)	1.0±0.1V
(confirmation)	1,710kHz	8.0±1.0V

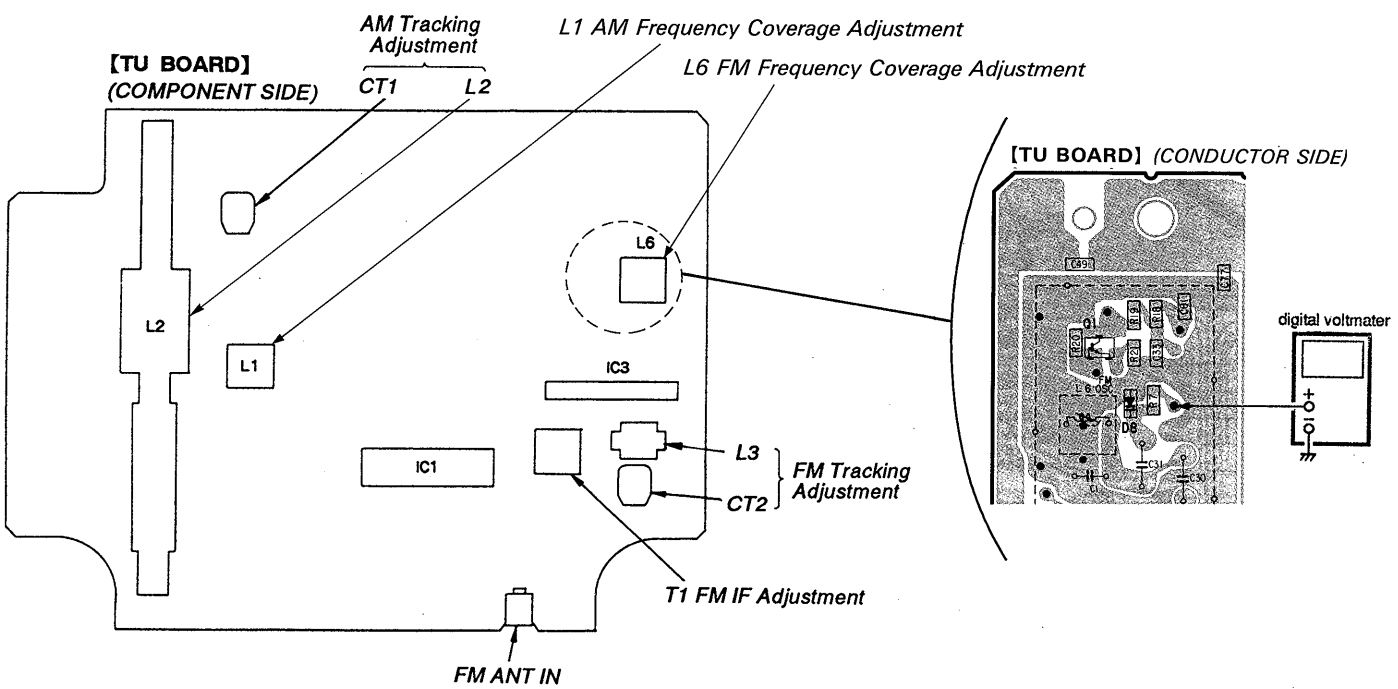
AM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L2	620 kHz
CT1	1,400 kHz

FM FREQUENCY COVERAGE ADJUSTMENT		
Adjustment part	Frequency Display	Reading on Digital voltmeter
L6	87.5MHz	2.0±0.1V
(confirmation)	108.0MHz	7.0±1.0V

FM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L3	87.5 MHz
CT2	108 MHz

FM IF ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
T1	10.7 MHz

Adjustment Location:



CD SECTION

Notes on Adjustment

1. Perform adjustment in service mode.
   After adjustment, be sure to release test mode.
2. Perform adjustments in the order given.
3. Use the disc (YEDS-18, Part No. 3-702-101-01) only when so indicated.

Before Adjustment

Put the set into test mode and perform the following checks. Repair if there are any problems.

How to Put into the Test Mode

1. Remove a backup battery.
2. Short-circuit between the points CD T.P (Ⓐ and Ⓑ) on the CONTROL board.
3. Turn the power on. (T-1 in LCD turns on.)
4. Release the short-circuit position CD T.P (Ⓐ and Ⓑ).
5. After adjustment, be sure to reset the TEST mode by pressing the POWER key.

- **Sled Motor Check**

  Press ▷▯▯ key, then press □ key.

  Press ▶▶| , |◀◀ keys and comfirm that the FOP moves smoothly from the innermost to outermost circumference and back smoothly and with no catching or abnormal noises. (Cancellation of BTL mute.)

  ▶▶| : FOP moves to the outer circumference

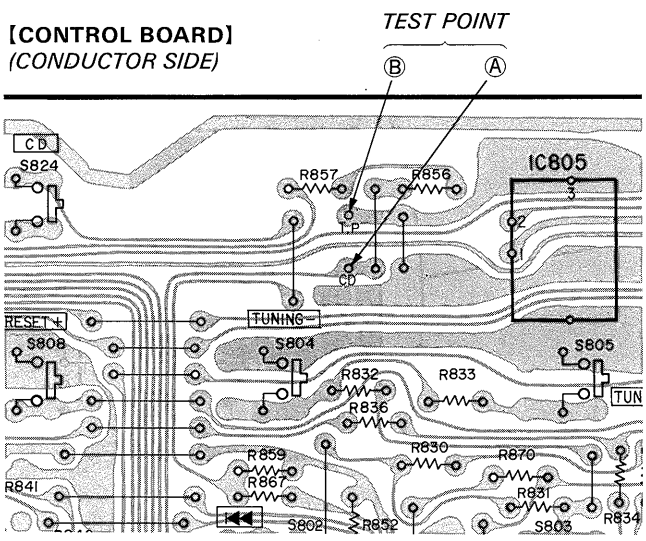
  |◀◀ : FOP moves to the inner circumference

- **Focus Search Check**

1. Press ▷▯▯ key. (Focus search operation is performed continuously.)
2. Look at the FOP objective lens and confirm that it moves up and down smoothly three times, with no catching or abnormal noises. After then confirm the turntable turns about a minute.

Note: When the malfunction is occured by pressing other keys, turn off the power and check again from making the test mode.

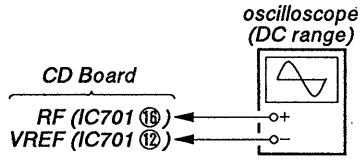
[CONTROL BOARD]
(CONDUCTOR SIDE)



Focus Bias Adjustment

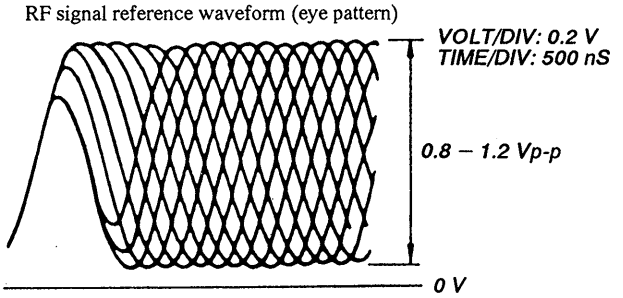
This adjustment is to be done when the optical block replaced.

Adjustment Procedure:



1. Connect the oscilloscope between IC701 pins ⑯ and ⑫.
2. Put the set into test mode.
3. Press the ▶▶| and |◀◀ keys to move the FOP to the center. (Move the FOP to the music area on the disc to enable easy visibility of the eye pattern.)
4. Insert disc (YEDS-18) and press ▷▯▯ key.
5. Adjust RV702 so that the oscilloscope waveform os as shown in the figure below (eye pattern).
   A good eye pattern means that the diamond shape (◇) in the center of the waveform can be clearly distinguished.
6. Release test mode after adjustment is completed.

- RF signal reference waveform (eye pattern)



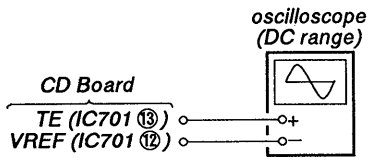
When observing the eye pattern, set the oscilloscope for AC range and raise vertical sensivity.

Adjustment Location: CD board (See page 40)

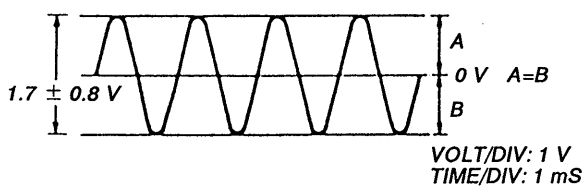
E. F Balance Adjustment

This adjustment is to be done when the optical block is replaced.

Adjustment Procedure:



1. Connect the oscilloscope between IC701 pins ⑬ and ⑫.
2. Put the set into service mode.
3. Press the ▶▶| and |◀◀ keys to move the FOP to the center.
4. Insert disc (YEDS-18) and press ▷▯▯ key.
5. Adjust RV701 so that the oscilloscope traverse waveform is symmetrical, as shown in the figure below.
6. Release servise mode after adjustment is completed.



Adjustment Location: CD board (See page 40)

REFERENCE

Focus/Tracking Gain Adjustment

A frequency response analyzer is necessary in order to perform this adjustment exactly.
However, this gain has a margin, so even if it is slightly off, there is no problem. Therefore, do not perform this adjustment.
Focus/tracking gain determines the pickup follow-up (vertical and horizontal) relative to mechanical noise and mechanical shock when the 2-axis device operate.
However, as these reciprocate, the adjustment is at the point where both are satisfied.

- When gain is raised, the noise when the 2-axis device operates increases.
- When gain is lowered, it is more susceptible to mechanical shock and skipping occurs more easily.
- When gain adjustment is off, the symptoms below appear.

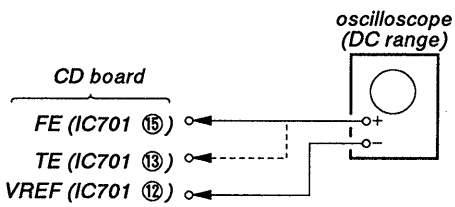
Gain / Symptoms	Focus	Tracking
• The time until music starts becomes longer for STOP ➡▷▯▯ PLAY or automatic selection (⏮ , ⏭ buttons pressed). (Normally takes about 2 seconds.)	low	low or high
• Music does not start and disc continues to rotate for STOP ➡ ▷▯▯ PLAY or automatic selection (⏮ , ⏭ buttons pressed).	—	low
• Sound is interrupted during PLAY. Or time counter display stops progressing.	—	low
• More noise during 2-axis device operation.	high	high

The following is a simple adjustment method.

– Simple Adjustment –

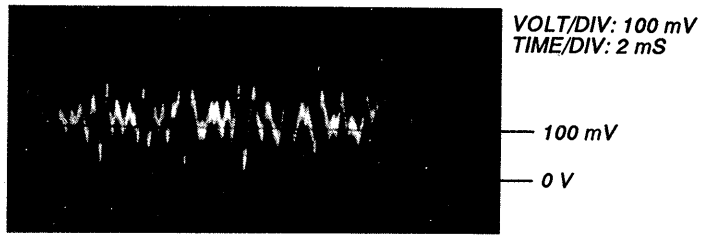
Note: Since exact adjustment cannot be performed, remember the positions of the controls before performing the adjustment. If the positions after the simple adjustment are only a little different, return the controls to the original position.

Procedure:



1. Keep the set horizontal.
   If the set is not horizontal, this adjustment cannot be performed due to the gravity against the 2-axis device.
2. Insert disc (YEDS-18) and press ▷▯▯ PLAY button.
3. Connect the oscilloscope between IC701 pins ⑮ and ⑫.
4. Adjustment RV704 so that the waveform is as shown in the figure below. (focus gain adjustment)

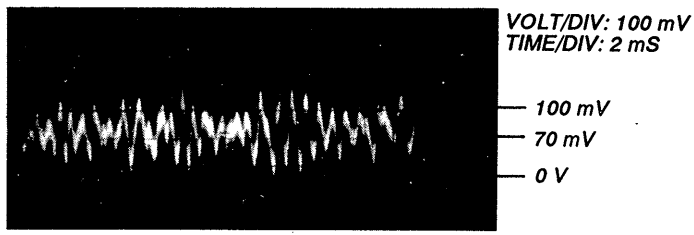
Adjustment Location: CD board (See page 40)



- Incorrent Examples (DC level changes more than on adjusted waveform)

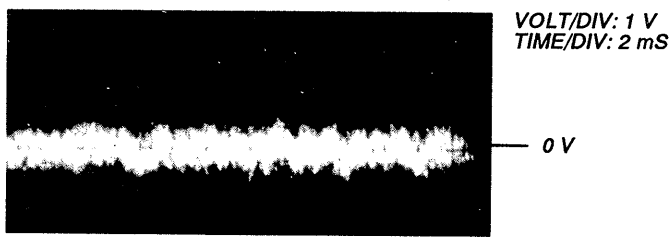
low focus gain

high focus gain



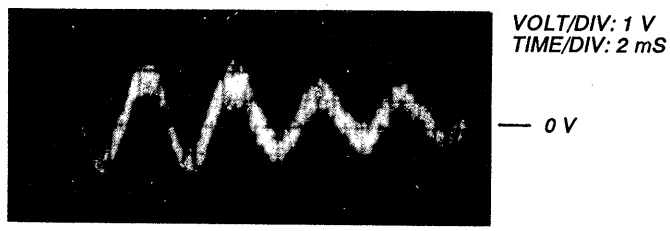
5. Connect the oscilloscope between IC701 pins ⑬ and ⑫.
6. Adjust RV703 so that the waveform is as shown in the figure below. (tracking gain adjustment)

Adjustment Location: CD board (See page 35)

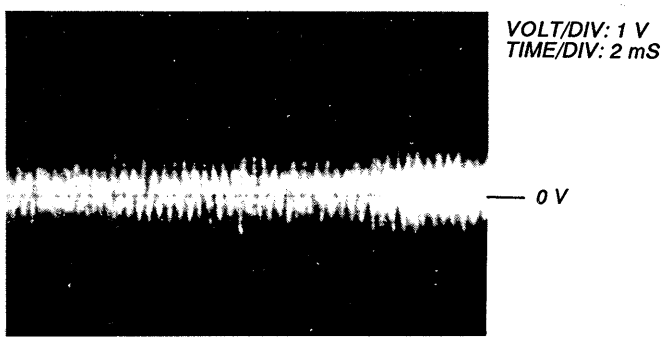


- Incorrect Examples (fundamental wave appears)

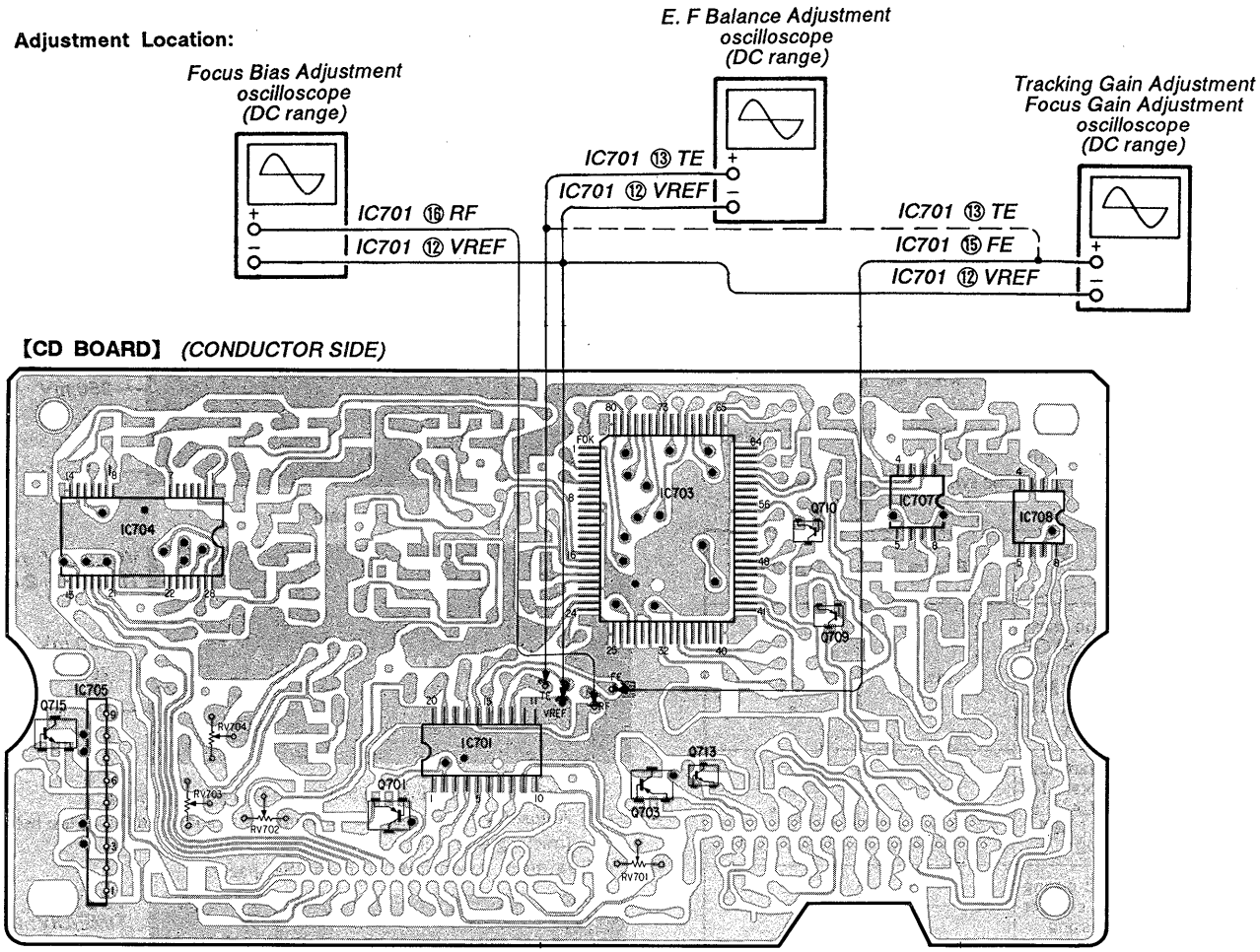
low tracking gain



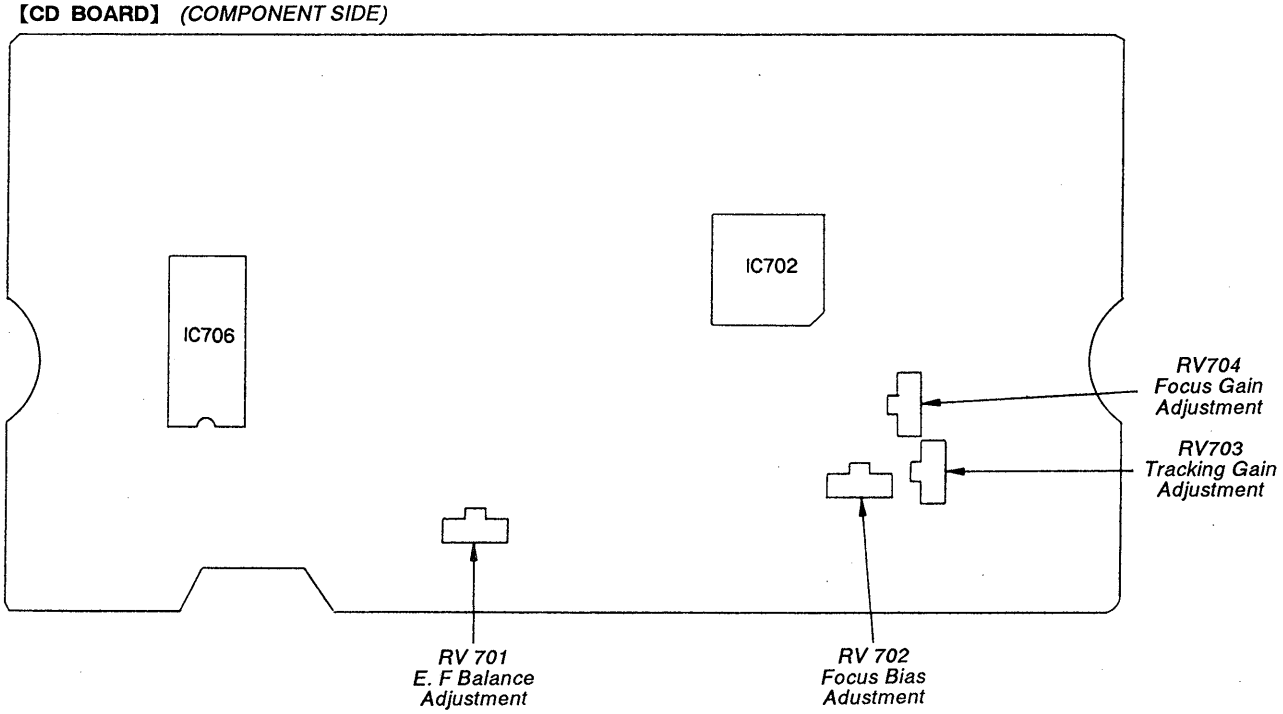
high tracking gain
(higher fundamental wave than for low gain)



Adjustment Location:



【CD BOARD】 *(COMPONENT SIDE)*



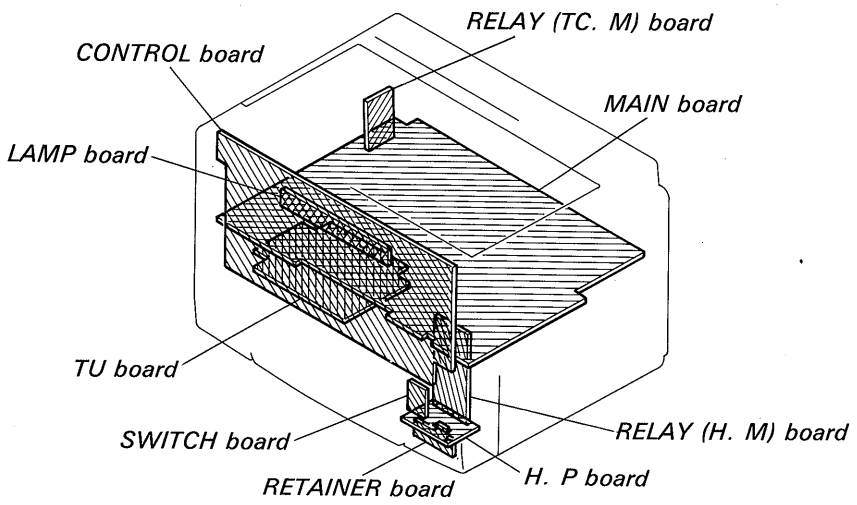
SECTION 6
DIAGRAMS

6-1. IC801 (CXP50716-041Q) PIN FUNCTION DESCRIPTION

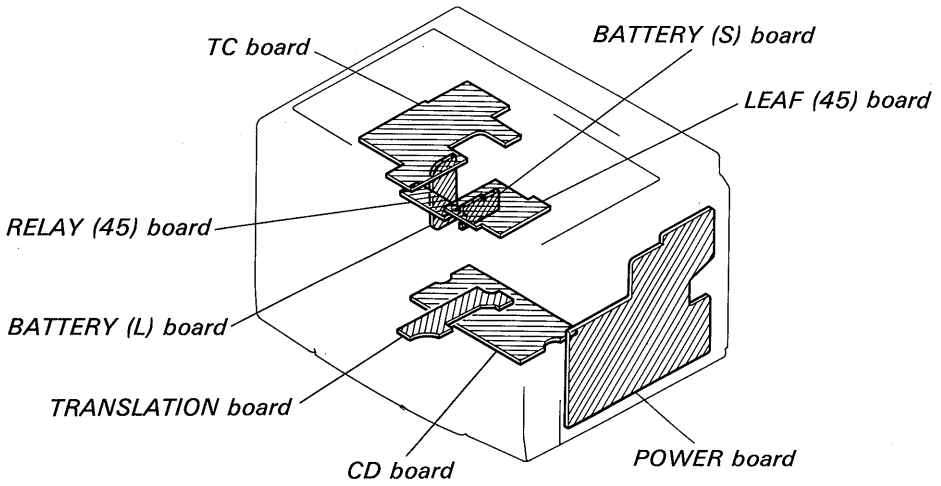
PIN No.	Name	I/O	Description
1 ~ 3	PG1/SEG18 ~ PG3/SEG16	O	SEGMENT OUT
4 ~ 19	SEG15 ~ SEG0	O	SEGMENT OUT
20 ~ 23	COM3 ~ COM0	O	COMMON OUTPUT
24 ~ 26	V_{LC1} ~ V_{LC3}		LCD VOLTAGE SET UP
27	V_L	O	VOL CHIP SELECT
28	RMC	I	REMOTE CONTROL DECODER IN
29	INT	I	CD SCOR IN
30	XTAL		MAIN CLK (32.768kHz)
31	EXTAL	I	MAIN CLK (32.768kHz)
32	RST	I/O	MICROCOMPUTER RESET
33	NC		
34	V_{DD}		+B
35 ~ 38	AD0/PI0 ~ AD3/PI3	I/O	KEY IN
39	AD4/PB0	I/O	KEY IN
40	AD5/PB1	I/O	REV, REC IN/TU 9K, 10K
41	AD6/PB2	I/O	CD SENS/TU MPX IN
42	AD7/PB3	I/O	CD TRAY OPEN, CLOSE DETECT
43	NC		
44	PX0/SC	I/O	CLOCK FOR SUB Q/ TU DATA
45	PX1/SO	I/O	TU CONT DATA
46	PX2/SI	I	SUB Q DATA/ TU DATA
47	PA0 B	I/O	CD SYSTEM LATCH/ TU PLL IC CE
48	PA1 I	I/O	MD VOLTAGE DECREASE
49	PA2 T	I/O	S-P DATA IN
50	PA3	I/O	S-P DATA OUT/ REG CHECK CD CONT DATA
51	PF0 P	I/O	CD LEASER ON
52	PF1 O	I/O	VOLUME DATA
53	PF2 R	I/O	CD SYSTEM RESET
54	NC		
55	PE0 P	I/O	AUDIO S-P CS
56	PE1 O	I/O	CD DATA CLK/ S-P CLK
57	PE2 R	I/O	BLOCK MUTE
58	PE3 T	I/O	POWER CONTROL
59	NC		
60	PY1/PWM	O	AUDIO MUTE
61	PY2/WP	I	WAKE UP IN
62	PY3/EC	I	TU SD IN
63 ~ 66	PD0/SEG31 ~ PD3/SEG28	O	SEGMENT OUT
67 ~ 70	PC0/SEG27 ~ PC3/SEG24	O	SEGMENT OUT
71	V_{SS}		GROUND
72	TX		4.19MHz
73	NC		
74	TEX	I	4.19MHz
75	V_{REF}		V REFERENCE
76 ~ 79	PH0/SEG23 ~ PH3/SEG20	O	SEGMENT OUT
80	PG0/SEG19	O	SEGMENT OUT

6-2. CIRCUIT BOARDS LOCATION

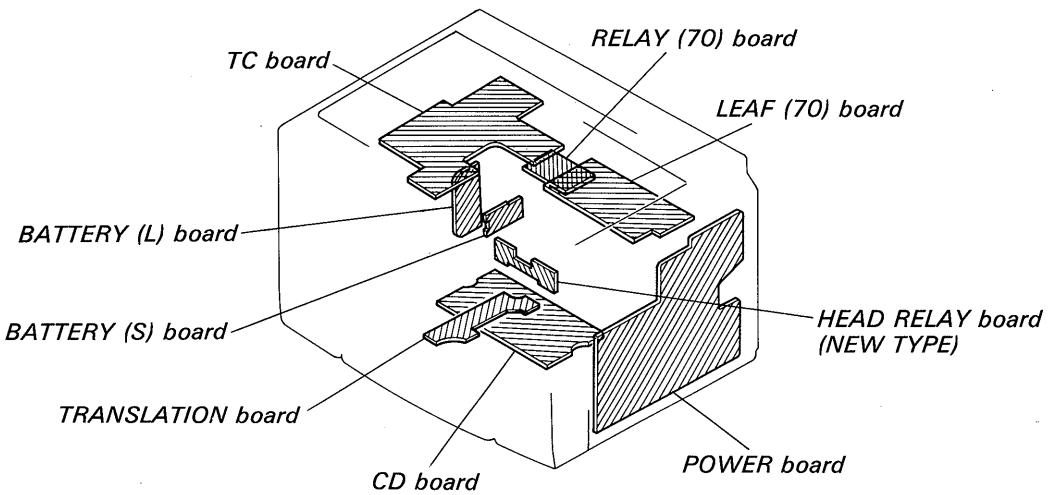
[CFD-757/767]



[CFD-757]



[CFD-767]

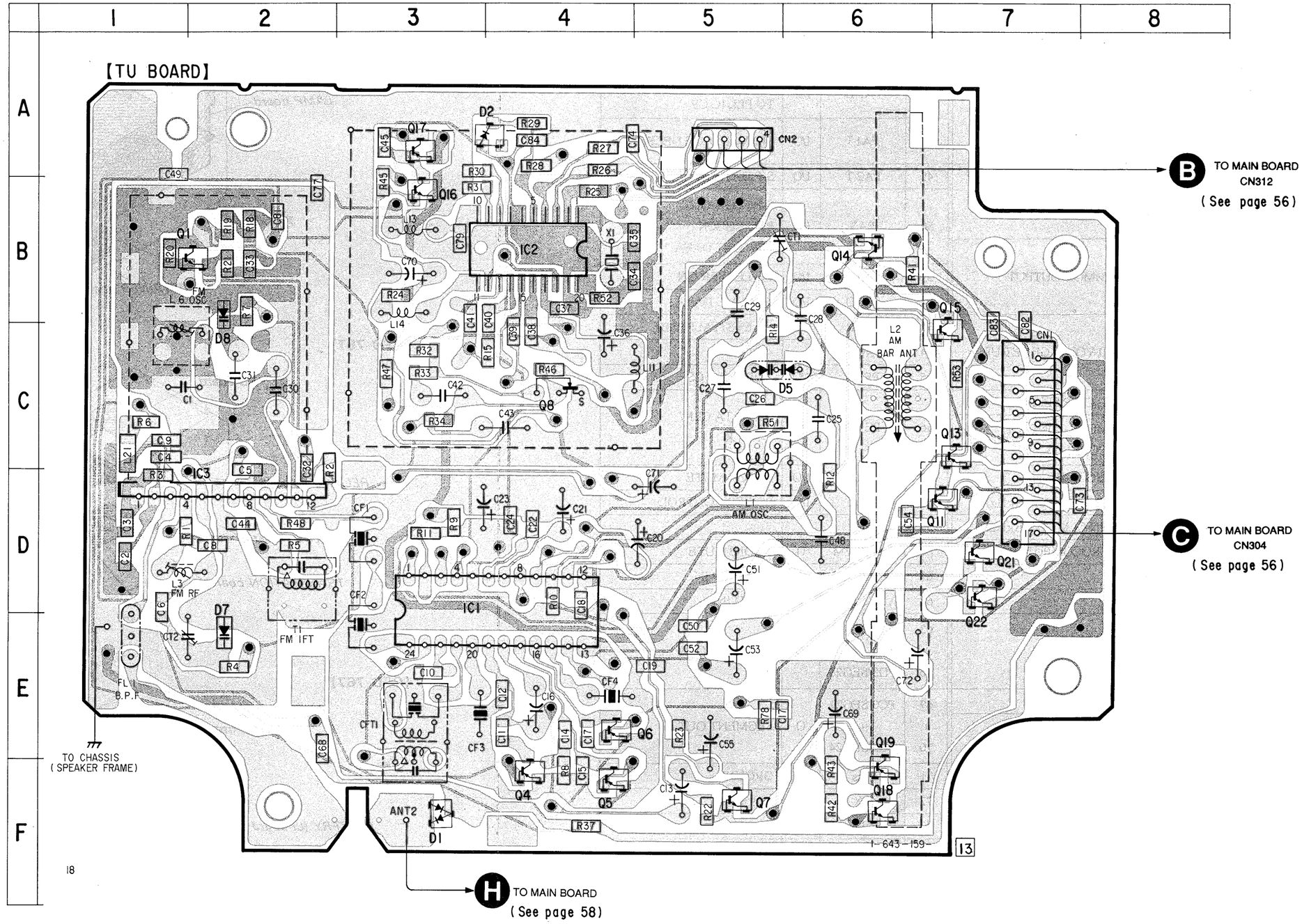


6-3. PRINTED WIRING BOARD —TUNER Section—

• See page 42, 56 for Circuit Boards Location and Semiconductor Lead Layouts.

● **Semiconductor Location**

Ref. No.	Location
D1	F-3
D2	A-4
D5	C-6
D7	E-2
D8	C-2
IC1	D-3
IC2	B-4
IC3	D-2
Q1	B-2
Q4	F-4
Q5	F-4
Q6	E-5
Q7	F-5
Q8	C-4
Q11	D-7
Q13	C-7
Q14	B-6
Q15	B-7
Q16	B-3
Q17	A-3
Q18	F-6
Q19	E-6
Q21	D-7
Q22	E-7

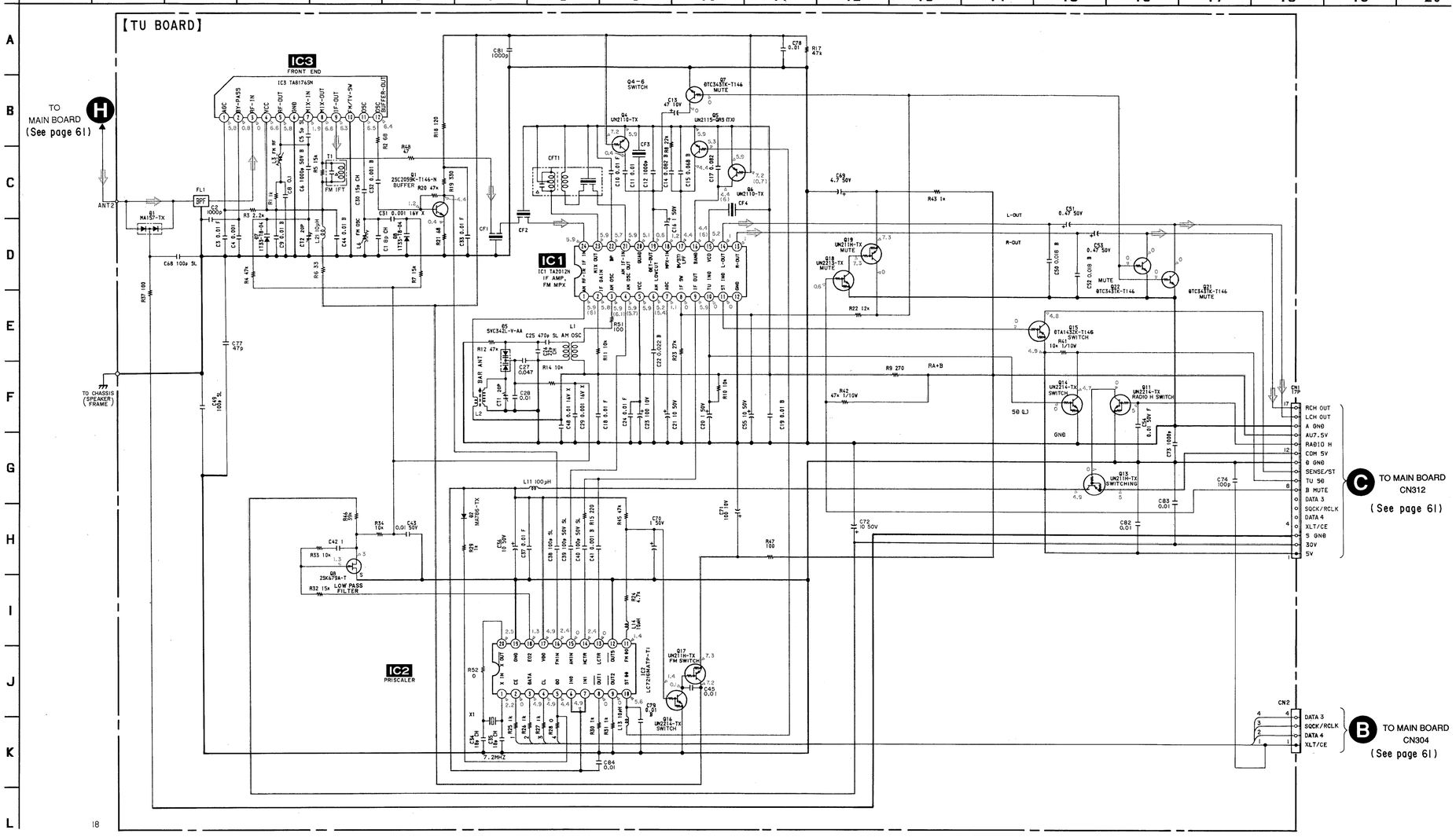


Note:

- ○——— : parts extracted from the component side.
- ● : Through hole.
- ▒▒▒ : Pattern on the side which is seen.
- ▒▒▒ : Pattern of the rear side.

6-4. SCHEMATIC DIAGRAM —TUNER Section—

• See page 71, 72 for IC Block Diagrams.



Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- ▭ : B+ Line
- ▭ : adjustment for repair.
- Power voltage is dc 12 V and fed with regulated dc power supply from external BATTERY TERMINAL.
- Voltage is dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
  ( ) : AM
- Voltages are taken with a VOM (Input Impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : FM

6-5. PRINTED WIRING BOARD —CD Section—

• See page 42, 56 for Circuit Boards Location and Semiconductor Lead Layouts.

● Semiconductor Location

Ref. No.	Location
D701	C-5
D702	B-5
D703	C-5
D704	C-6
D705	D-6
D706	D-6
IC701	H-4
IC702	C-3
IC703	F-5
IC704	G-2
IC705	H-1
IC706	C-7
IC707	F-7
IC708	F-8
IC710	F-8
Q701	H-3
Q702	D-3
Q703	H-5
Q704	B-5
Q705	B-1
Q706	A-1
Q707	A-8
Q708	B-7
Q709	G-6
Q710	G-6
Q711	D-6
Q712	D-6
Q713	H-5
Q715	H-1

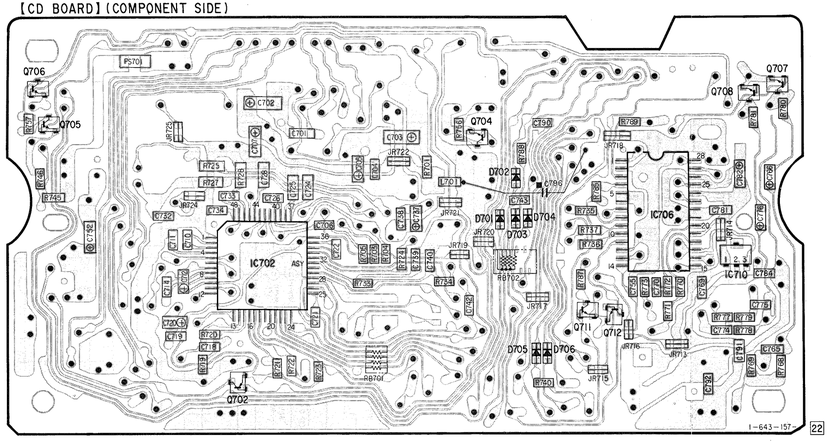
Note:

- ○—— : parts extracted from the component side.
- —— : parts extracted from the conductor side.
- ● : Through hole.
- ▒ : Pattern from the side which enables seeing.

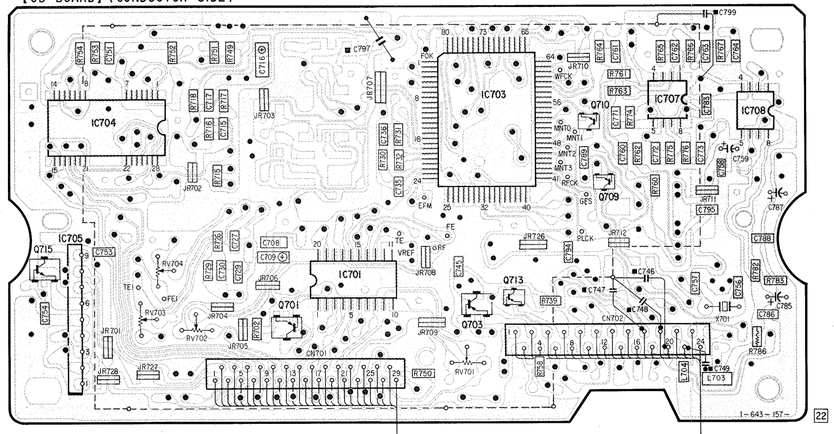
(The other layers' patterns are not indicated.)

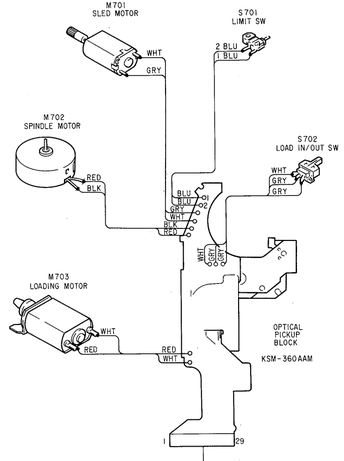
Caution:	
Pattern face side: (Conductor Side)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Component Side)	Parts on the parts face side seen from the parts face are indicated.

【CD BOARD】(COMPONENT SIDE)



【CD BOARD】(CONDUCTOR SIDE)

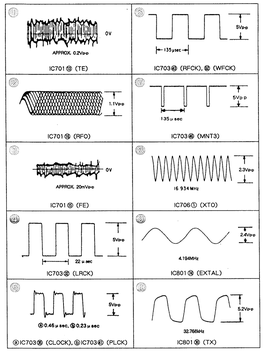




6-6. SCHEMATIC DIAGRAM –CD Section–

· See page 71, 72 for IC Block Diagrams.

• Waveforms (MODE: PLAY)



Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantaliums.
- All resistors are in Ω and ¼W or less unless otherwise specified.

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

e : B+ Line

e : adjustment for repair.

e Power voltage is dc 12 V and fed with regulated dc power supply from external BATTERY TERMINAL.

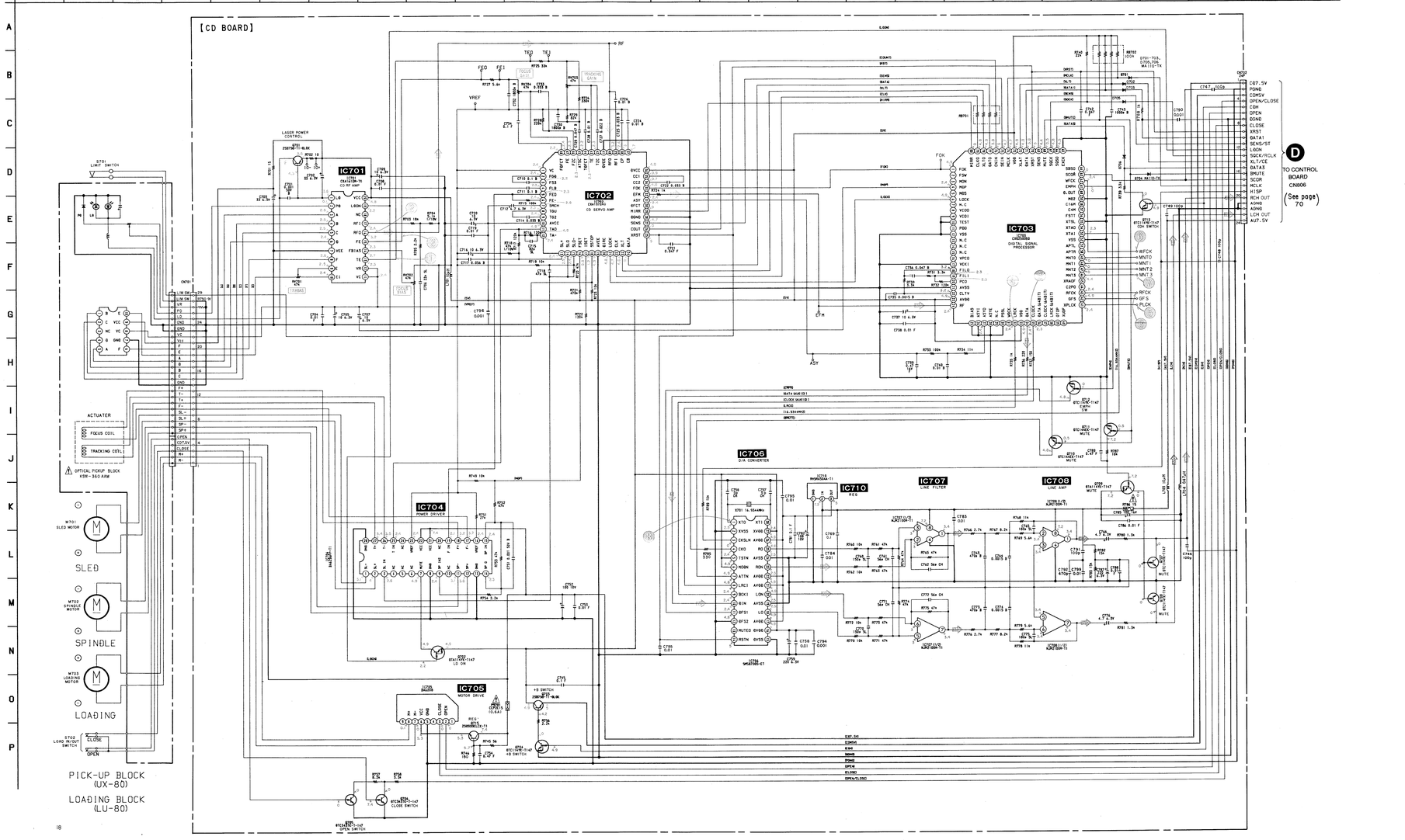
e Voltage and waveforms are dc with respect to ground.

e Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.

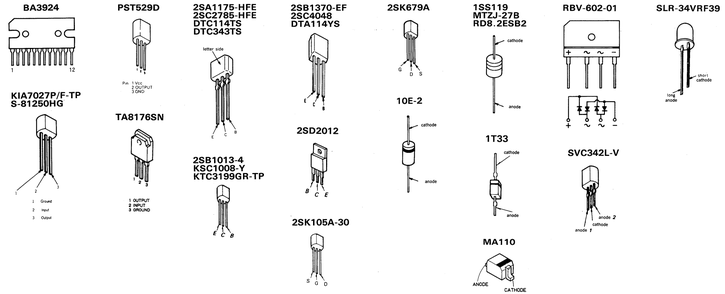
e Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.

e Circled numbers refer to waveforms.

e Signal path.
▷▷ : CD



● SEMICONDUCTOR LEAD LAYOUTS

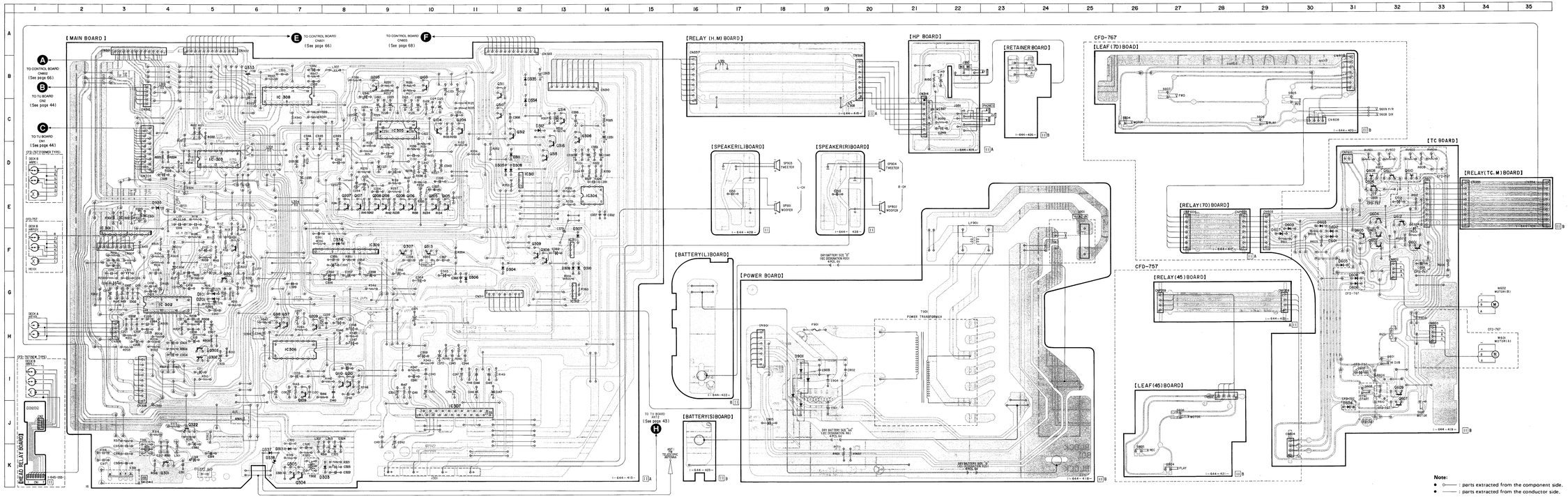


6-7. PRINTED WIRING BOARDS —AUDIO/TC SECTION—

• See page 42, 56 for Circuit Boards Location and Semiconductor Lead Layouts.

● Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D101	G-5	Q106	E-10
D201	G-5	Q107	E-8
D303	K-8	Q108	E-9
D304	F-12	Q109	I-7
D305	D-12	Q110	I-8
D306	G-11	Q201	G-5
D307	F-13	Q203	B-9
D308	D-12	Q204	C-11
D309	F-13	Q205	E-10
D310	F-14	Q206	E-9
D311	D-12	Q207	E-8
D312	C-12	Q208	E-9
D313	K-7	Q209	H-7
D330	E-4	Q210	I-8
D334	C-12	Q301	K-4
D335	B-12	Q302	H-5
D336	F-8	Q303	H-5
D337	K-6	Q304	K-7
D338	K-6	Q305	K-7
D601	F-31	Q306	C-14
D602	F-31	Q307	F-9
D603	E-30	Q308	F-13
D604	J-31	Q309	F-12
D605	F-31	Q310	C-12
D606	G-31	Q311	B-12
D607	F-29	Q312	C-12
D608	G-31	Q313	F-10
D609	E-30	Q314	C-13
D901	I-18	Q315	D-13
		Q316	D-13
IC301	F-3	Q317	H-7
IC302	G-4	Q318	H-7
IC303	D-5	Q322	J-4
IC304	E-14	Q333	B-6
IC305	C-9	Q601	F-32
IC306	H-7	Q602	F-31
IC307	J-11	Q603	F-31
IC308	B-7	Q604	D-31
IC309	F-9	Q605	F-31
IC310	D-12	Q606	D-31
IC311	F-13	Q607	J-32
IC312	G-13	Q608	D-31
		Q609	I-32
Q101	F-5	Q610	D-32
Q103	B-10	Q611	D-32
Q104	C-10	Q612	E-32
Q105	E-10		



Note:

- ○—— : parts extracted from the component side.
- —— ○ : parts extracted from the conductor side.

AUS: Australian

6-8. SCHEMATIC DIAGRAMS —AUDIO/TC Section—

· See page 71, 72 for IC Block Diagrams.

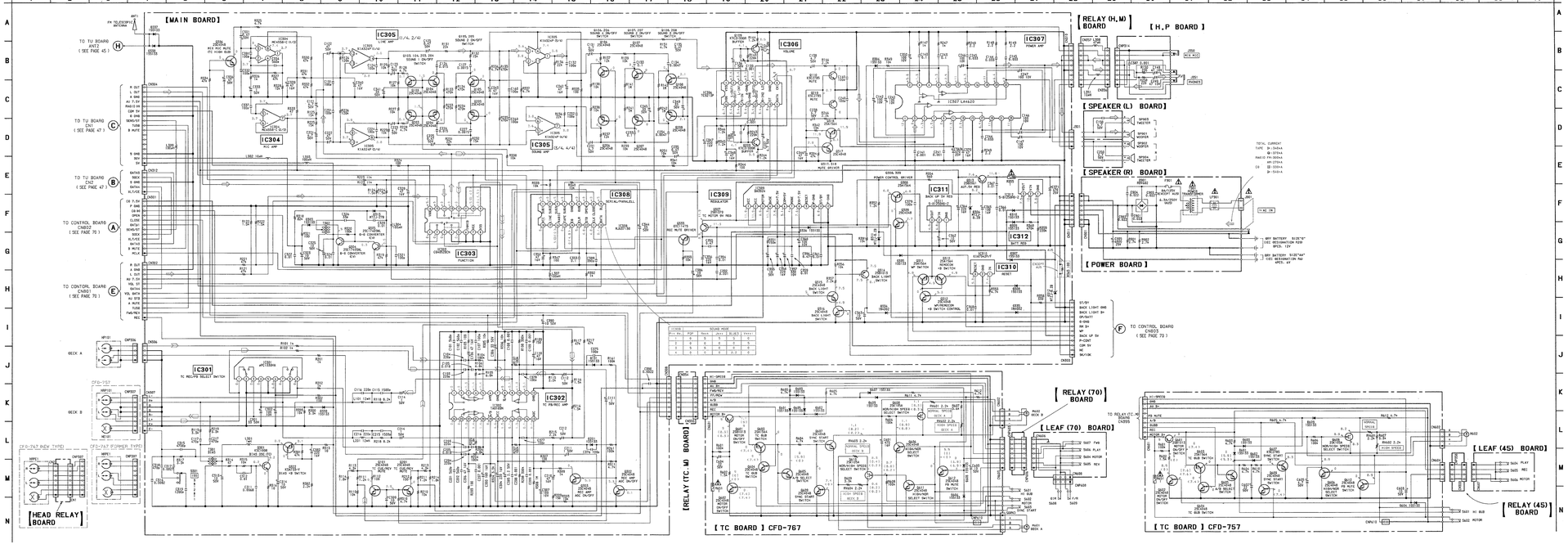
Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- : fusible resistor.

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- : B+ Line
- Total current is measured with no cassette installed.
- Power voltage is dc 12 V and fed with regulated dc power supply from external BATTERY TERMINAL.
- Voltage is dc with respect to ground under no-signal (detuned) conditions.
- Voltages are taken with a VOM (input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  - : FM
  - : PB (DECK A)
  - : PB (DECK B)
  - : REC (DECK B)
  - : CD

AUS: Australian



6-9. PRINTED WIRING BOARDS —CONTROL Section—

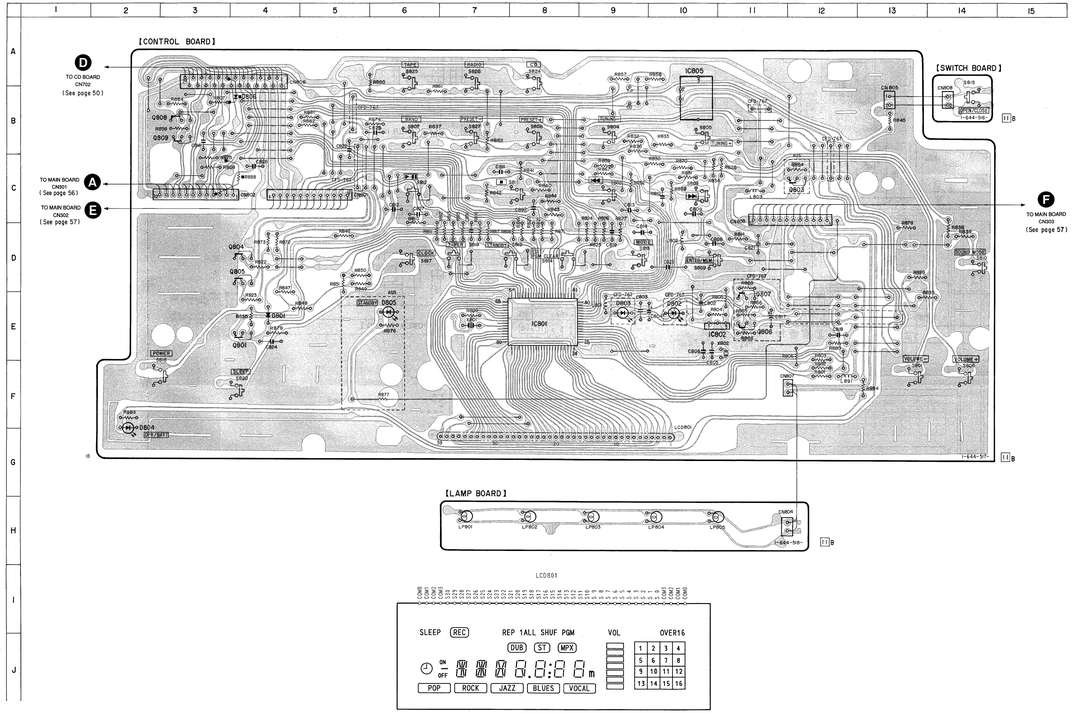
• See page 42, 56 for Circuit Boards Location and Semiconductor Lead Layouts.

● Semiconductor Location

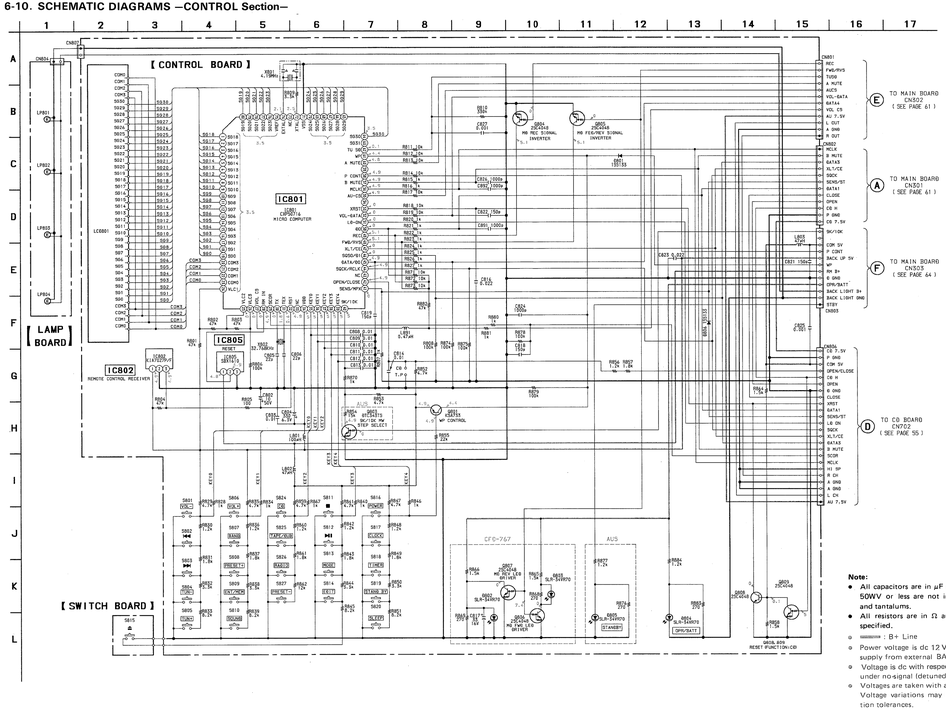
Ref. No.	Location
D801	E-4
D802	E-10
D803	E-9
D804	F-2
D805	E-6
D806	B-4
IC801	E-8
IC802	E-10
IC805	A-10
Q801	E-4
Q803	C-12
Q804	D-4
Q805	D-4
Q806	E-11
Q807	E-11
Q808	B-3
Q809	B-3

Note:
- ○—— : parts extracted from the component side.
- ——○ : parts extracted from the conductor side.

AUS: Australian



6-10. SCHEMATIC DIAGRAMS —CONTROL Section—

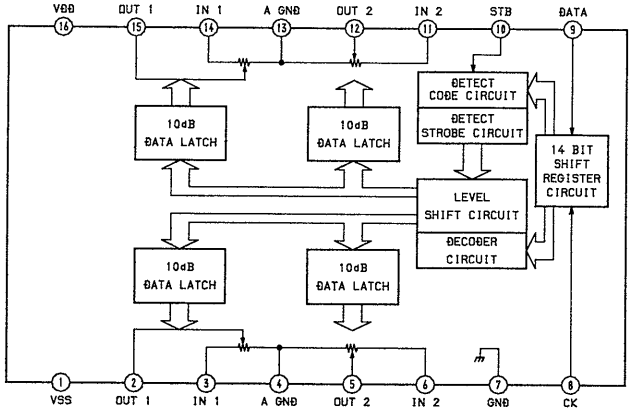

【CONTROL BOARD】
【LAMP BOARD】
【SWITCH BOARD】
IC801
IC802
IC805
TO MAIN BOARD CN502 (SEE PAGE 61)
TO MAIN BOARD CN501 (SEE PAGE 61)
TO MAIN BOARD CN503 (SEE PAGE 64)
TO CD BOARD CN702 (SEE PAGE 55)

Note:
- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- ▭▭▭ : B+ Line
- Power voltage is dc 12 V and fed with regulated dc power supply from external BATTERY TERMINAL.
- Voltage is dc with respect to ground under no-signal (detuned) conditions.
- Voltages are taken with a VOM (Input Impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.

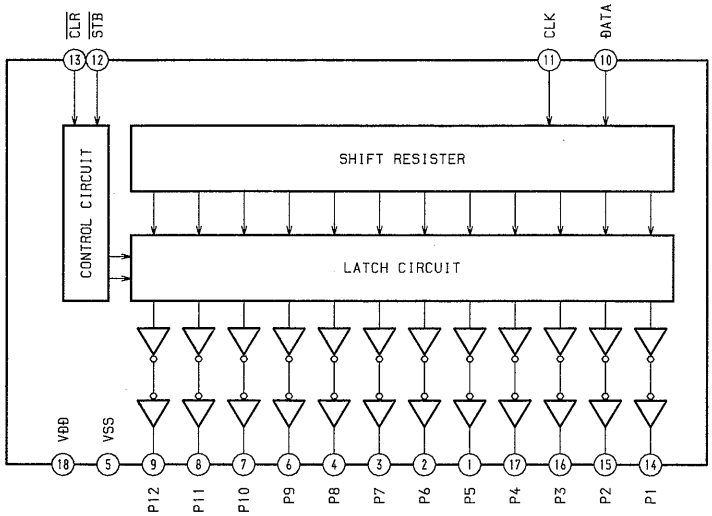
AUS: Australian

● IC Block Diagrams

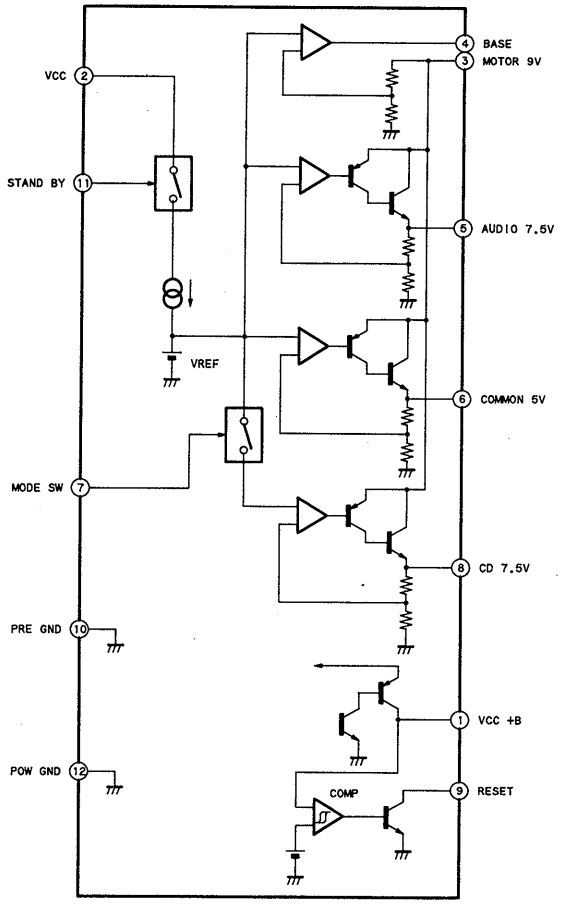
IC306 TC9213P (MAIN BOARD)



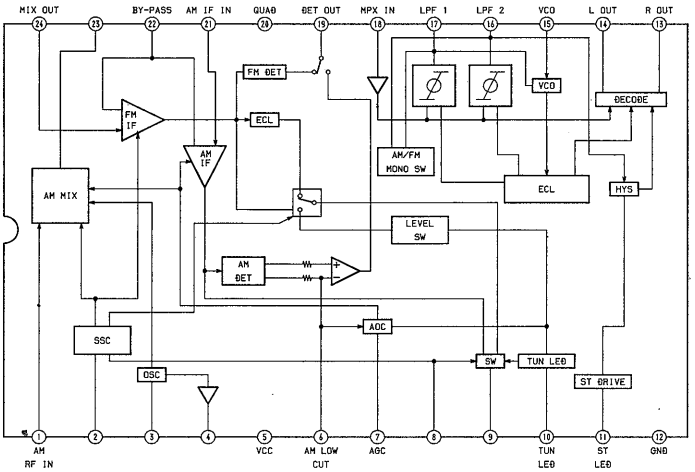
IC308 NJU3713 (MAIN BOARD)



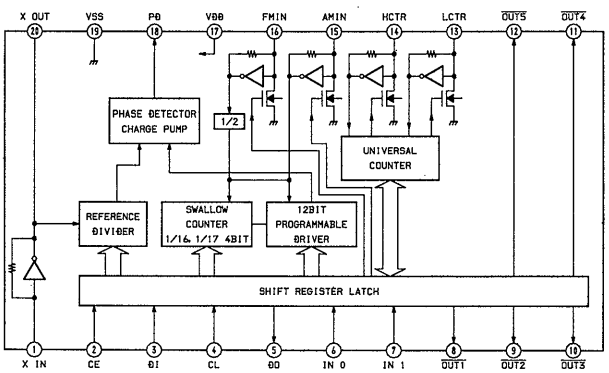
IC309 BA3924 (MAIN BOARD)



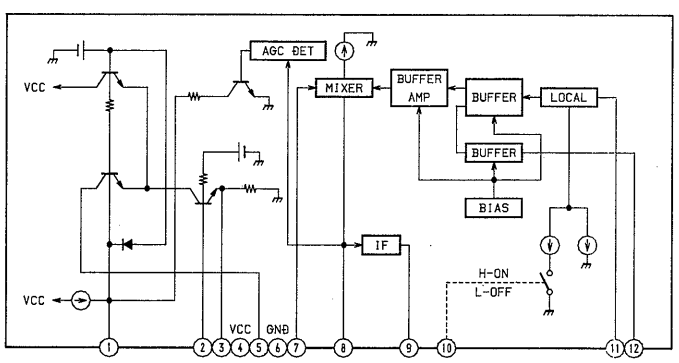
IC1 TA2010N (TU BOARD)



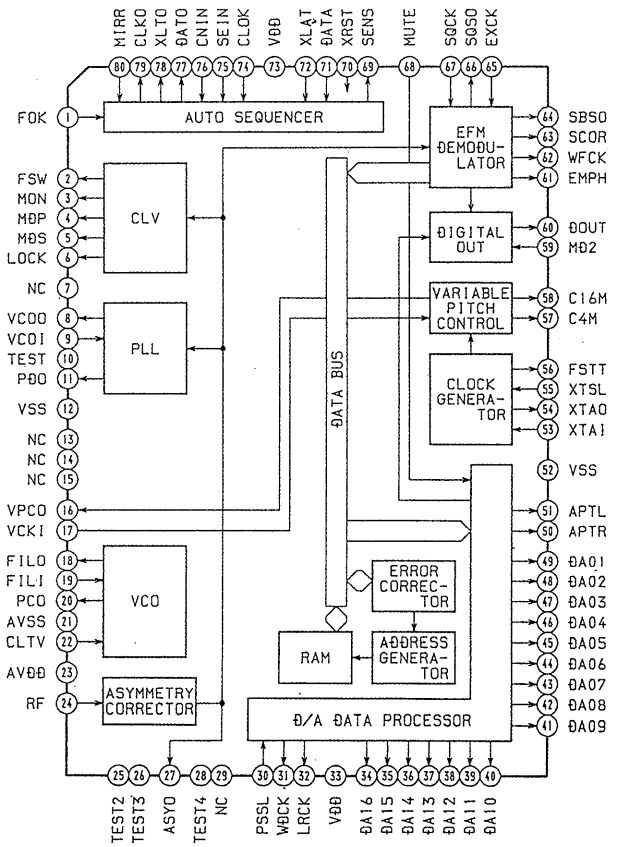
IC2 LC7216MA (TU BOARD)



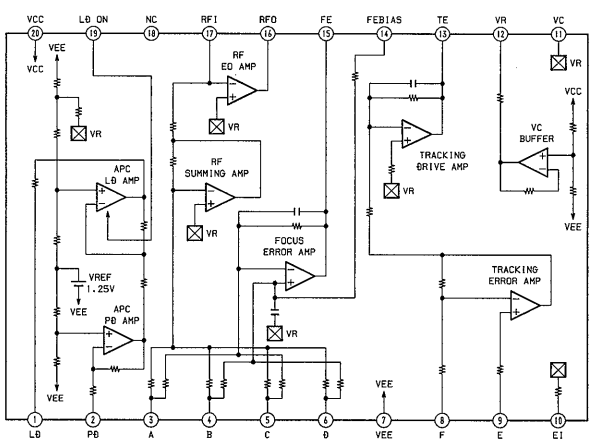
IC3 TA8176SN (TU BOARD)



IC703 CXD2500AQ (CD BOARD)



IC701 CXA1610M (CD BOARD)



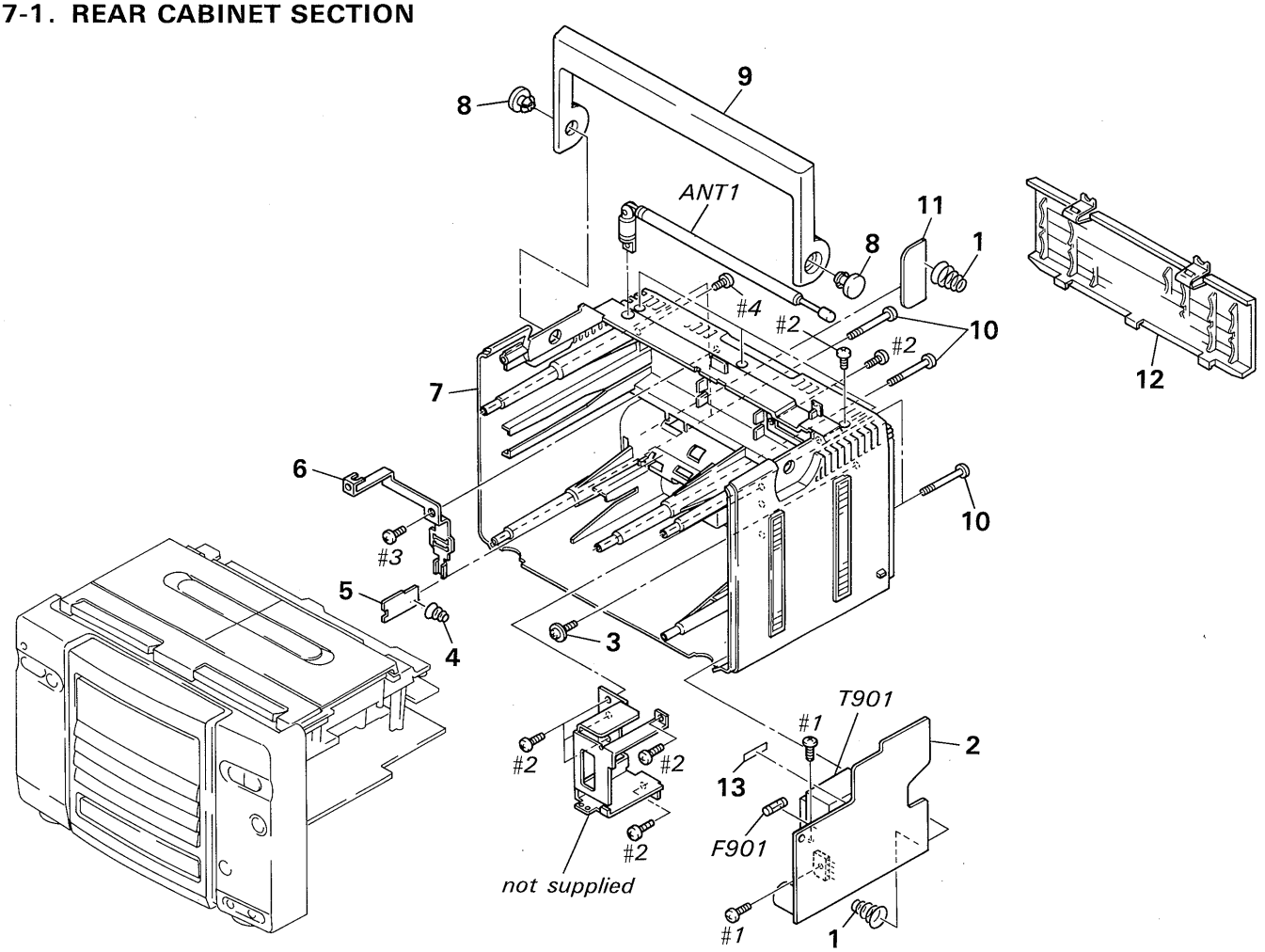
SECTION 7
EXPLODED VIEWS

NOTE:
- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE)... (RED)
  ↑ Parts color ↑ Cabinet's color
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardwear (#mark) list is given in the last of this parts list.
- Abbreviations
  CND: Canadian model
  AUS: Australian model
  E=E94: Taiwan model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

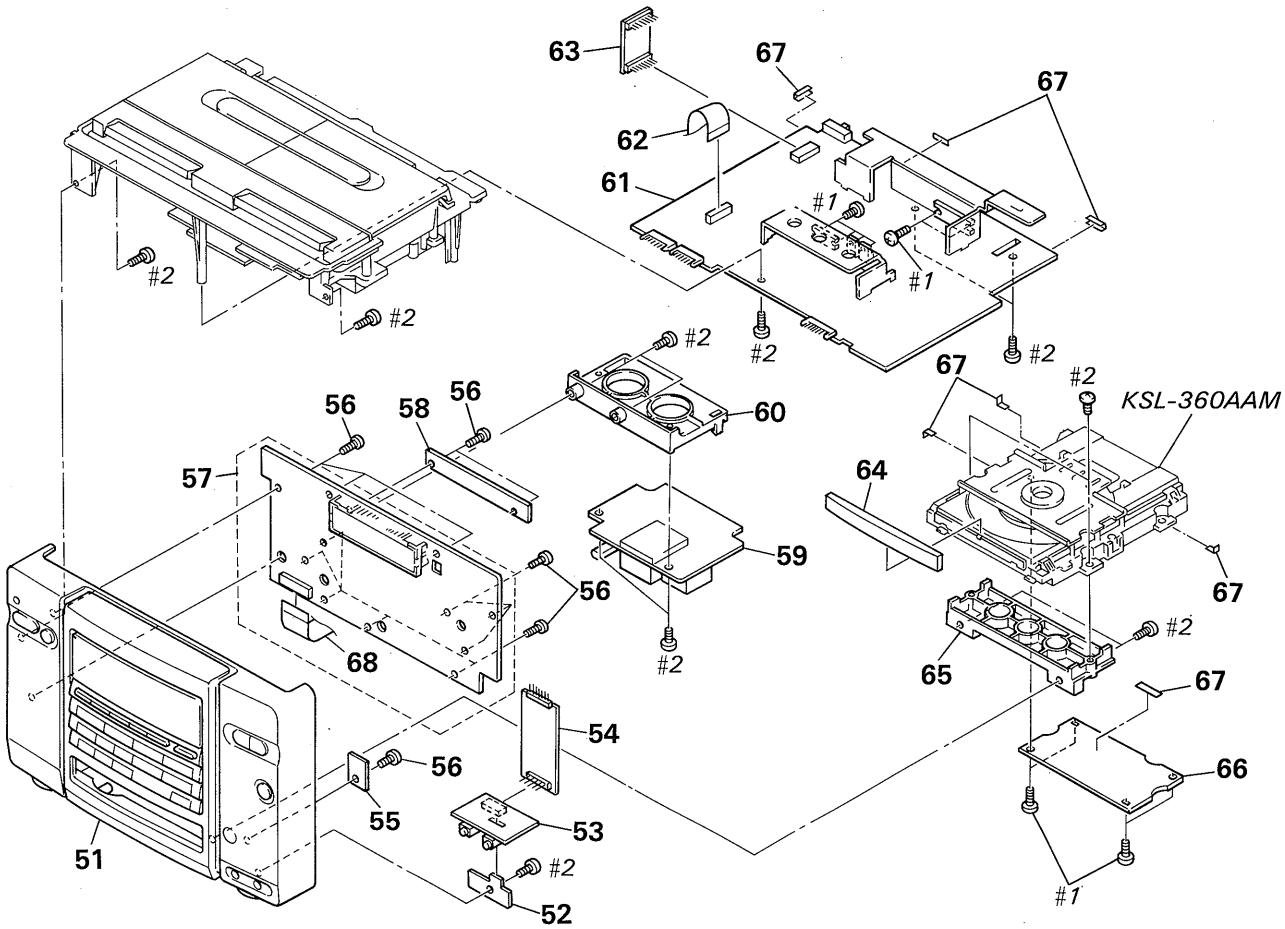
Les components identifiés parune marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par unepièc portant le numéro spéccifié.

7-1. REAR CABINET SECTION



Ref. No.	Part No.	Description	Remark
1	3-379-748-01	SPRING (-)	
* 2	1-644-418-11	POWER BOARD	
3	3-365-853-01	SCREW (+BTPWH) (3X12)	
4	3-383-758-01	SPRING (S), BATTERY	
* 5	1-644-423-11	BATTERY (S) BOARD	
* 6	3-380-577-01	TERMINAL, ANTENNA	
7	3-380-543-01	CABINET (REAR)	(CFD-757:US)
7	3-380-543-11	CABINET (REAR)	(CFD-767:US, AUS)
7	3-380-543-21	CABINET (REAR)	(CND, E)
8	3-380-558-01	STOPPER (H)	
9	X-3365-262-1	HANDLE ASSY	
10	3-380-756-01	SCREW (+ BVTP) (3X40)	
* 11	1-644-422-11	BATTERY (L) BOARD	
12	3-380-548-01	LID, BATTERY CASE	
* 13	3-383-570-01	CUSHION, RUBBER	
ANT1	1-501-383-21	ANTENNA, TELESCOPIC	
⚠F901	1-532-506-51	FUSE, TIME-LAG (6.3A/250V)	(AUS)
⚠F901	1-533-265-11	FUSE, GLASS TUBE (8A/125V)	(EXCEPT AUS)
⚠T901	1-423-299-11	TRANSFORMER, POWER	(AUS)
⚠T901	1-450-966-11	TRANSFORMER, POWER	(EXCEPT AUS)

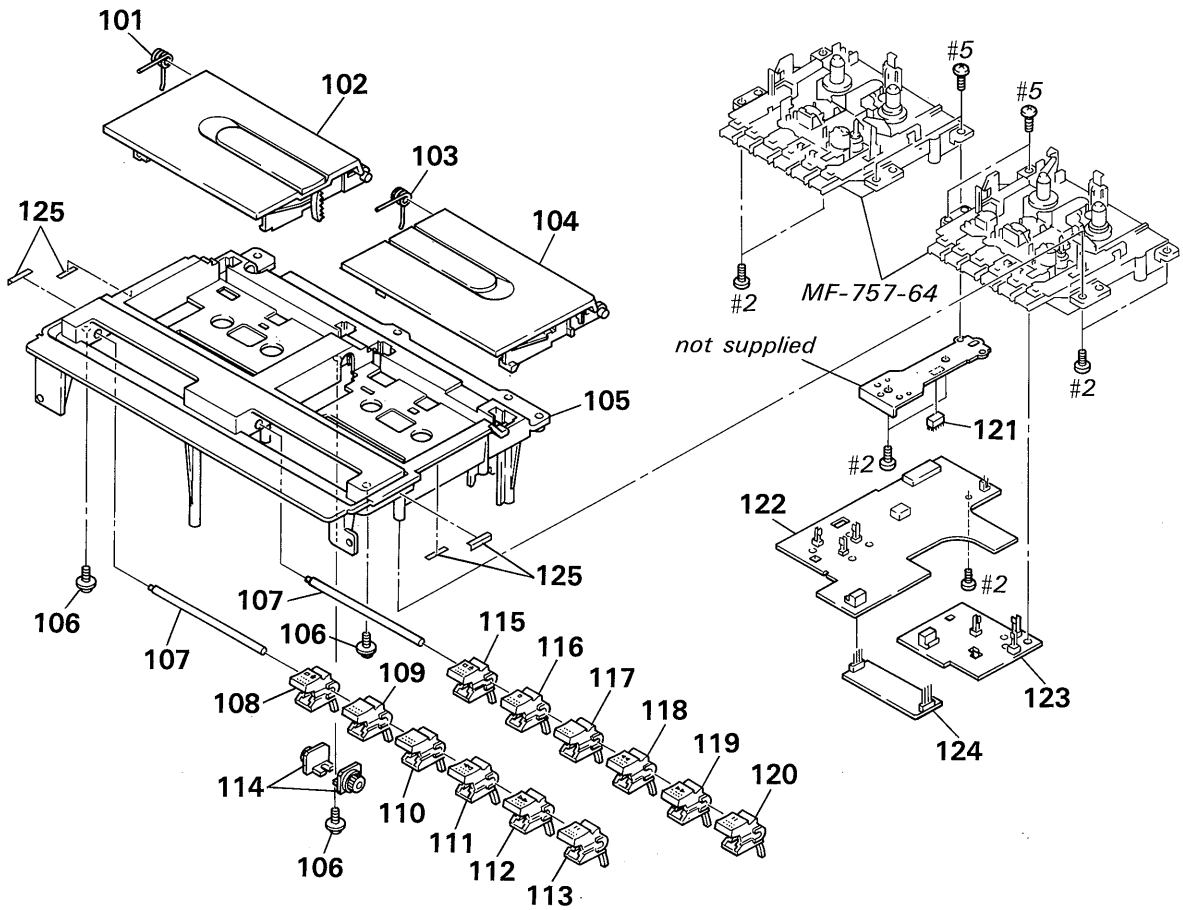
7-2. FRONT CABINET SECTION



Ref. No.	Part No.	Description	Remark
51	X-3365-265-1	CABINET (FRONT) SUB ASSY	(CFD-757)
51	X-3365-284-1	CABINET (FRONT) SUB ASSY	(CFD-767)
* 52	1-644-426-11	RETAINER BOARD	
* 53	1-644-414-11	H.P BOARD	
* 54	1-644-415-11	RELAY (H.M) BOARD	
* 55	1-644-516-11	SWITCH BOARD	
56	4-931-757-41	SCREW (DIA.2.6X10) (IT3B)	
* 57	A-3262-677-A	CONTROL BOARD, COMPLETE	(CFD-757)
* 57	A-3262-678-A	CONTROL BOARD, COMPLETE	(CFD-767:EXCEPT AUS)
* 57	A-3262-979-A	CONTROL BOARD, COMPLETE	(AUS)
* 58	1-644-518-11	LAMP BOARD	
* 59	A-3262-604-A	TU BOARD, COMPLETE	(EXCEPT AUS)

Ref. No.	Part No.	Description	Remark
* 59	A-3275-710-A	TU BOARD, COMPLETE	(AUS)
* 60	3-380-585-01	CHASSIS, TUNER	
* 61	A-3262-978-A	MAIN BOARD, COMPLETE	(AUS, E)
* 61	A-3275-489-A	MAIN BOARD, COMPLETE	(CFD-767:US, CND)
* 61	A-3275-494-A	MAIN BOARD, COMPLETE	(CFD-757)
62	1-696-060-11	WIRE, PARALLEL (FFC) (17 CORE)	
* 63	1-644-424-11	RELAY (TC.M) BOARD	
64	3-380-565-01	PLATE, CD	
* 65	3-380-630-01	CHASSIS, CD	
* 66	A-3262-571-A	CD BOARD, COMPLETE	
67	3-831-441-XX	CUSHION, SPEAKER	
68	1-696-061-11	WIRE, PARALLEL (FFC) (24 CORE)	

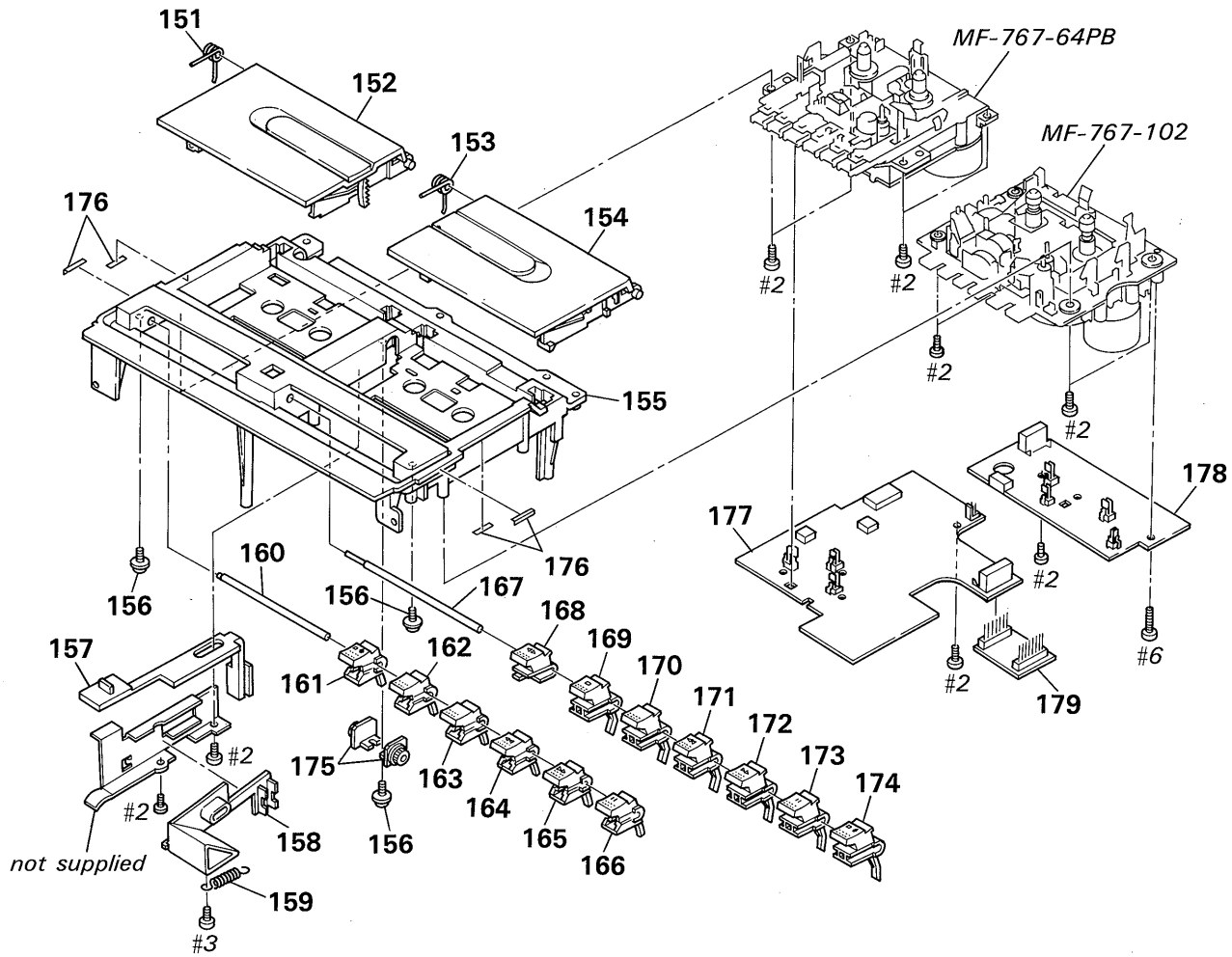
7-3. UPPER CABINET SECTION (CFD-757)



Ref. No.	Part No.	Description	Remark
101	3-383-500-01	SPRING, OPEN (A)	
102	X-3365-260-1	HOLDER ASSY (A), CASSETTE	
103	3-383-500-12	SPRING, OPEN (B)	
104	X-3365-263-1	HOLDER ASSY (B), CASSETTE	
105	3-380-531-01	CABINET (UPPER)	
106	3-380-672-11	SCREW, WASHER	
107	3-380-576-01	SHAFT, MD (45)	
108	3-380-591-01	BUTTON (45A) (ST/ECECT)	
109	3-380-592-01	BUTTON (45A) (HI-DUB)	
110	3-380-593-01	BUTTON (45A) (PLAY)	
111	3-380-594-01	BUTTON (45A) (REW)	
112	3-380-595-01	BUTTON (45A) (FF)	
113	3-380-598-01	BUTTON (45A) (PAUSE)	

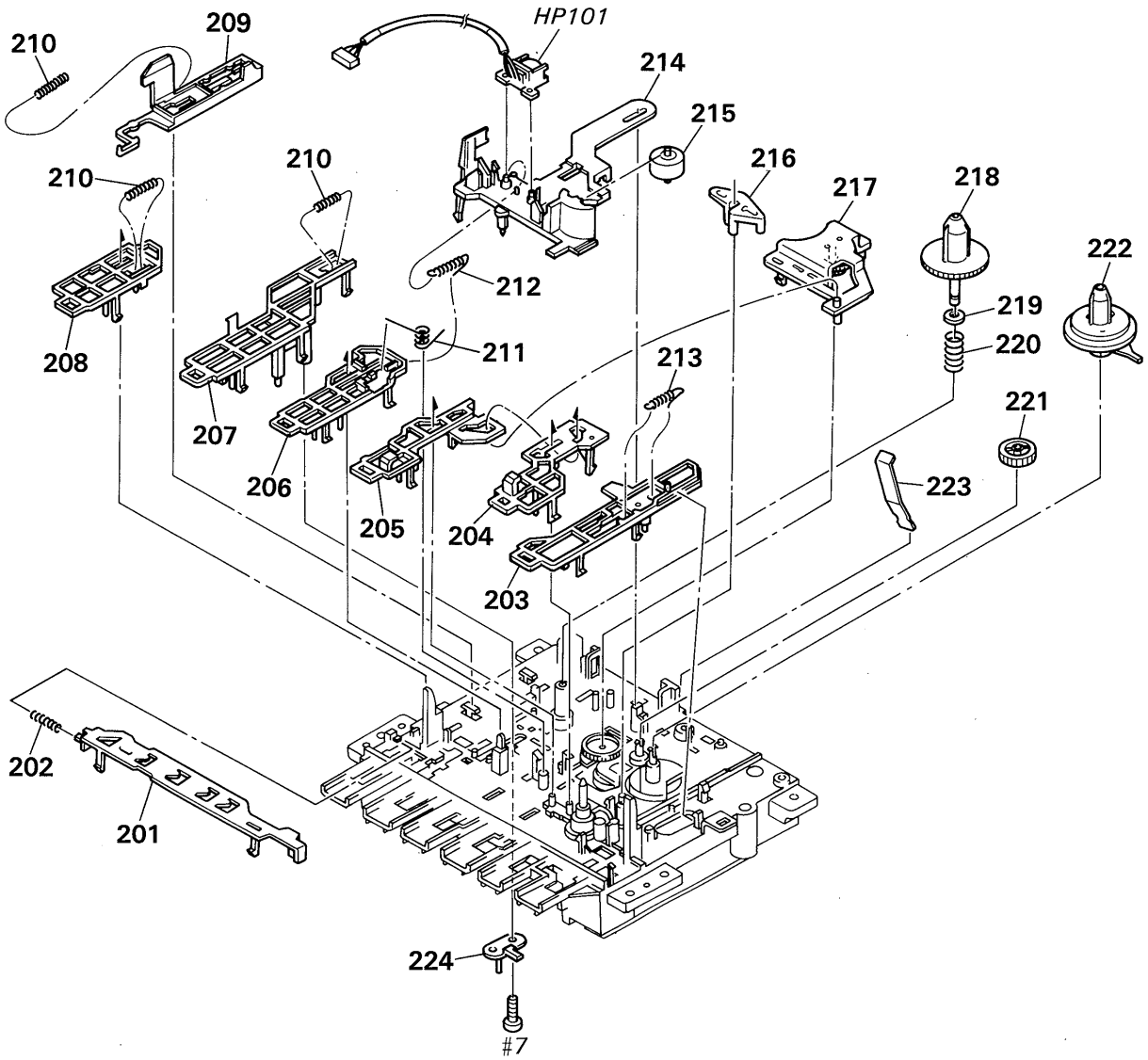
Ref. No.	Part No.	Description	Remark
114	3-351-377-01	DAMPER	
115	3-380-599-01	BUTTON (45B) (ST/EJECT)	
116	3-380-600-01	BUTTON (45B) (REC)	
117	3-380-601-01	BUTTON (45B) (PLAY)	
118	3-380-602-01	BUTTON (45B) (REW)	
119	3-380-603-01	BUTTON (45B) (FF)	
120	3-380-606-01	BUTTON (45B) (PAUSE)	
121	4-934-522-01	CUSHION	
* 122	A-3262-601-A	TC BOARD, COMPLETE	
* 123	1-644-421-11	LEAF (45) BOARD	
* 124	1-644-416-11	RELAY (45) BOARD	
* 125	3-383-186-01	CUSHION, UPPER	

7-4. UPPER CABINET SECTION (CFD-767)



Ref. No.	Part No.	Description	Remark
151	3-383-500-01	SPRING, OPEN (A)	
152	X-3365-260-1	HOLDER ASSY (A), CASSETTE	
153	3-383-501-02	SPRING, OPEN (B)	
154	X-3365-285-1	HOLDER ASSY (B), CASSETTE	
155	3-380-675-01	CABINET (UPPER)	
156	3-380-672-11	SCREW, WASHER	
157	3-380-683-01	LEVER, MODE	
158	3-380-684-01	LEVER, DIR	
159	3-383-792-01	SPRING, DIR	
160	3-380-576-01	SHAFT, MD (45)	
161	3-380-591-01	BUTTON (45A) (ST/ECECT)	
162	3-380-592-01	BUTTON (45A) (HI-DUB)	
163	3-380-593-01	BUTTON (45A) (PLAY)	
164	3-380-594-01	BUTTON (45A) (REW)	
165	3-380-595-01	BUTTON (45A) (FF)	
166	3-380-598-01	BUTTON (45A) (PAUSE)	
167	3-380-679-01	SHAFT, MD (70)	
168	3-380-693-01	BUTTON (70) (DIR)	
169	3-380-688-01	BUTTON (70) (REC)	
170	3-380-689-01	BUTTON (70) (PLAY)	
171	3-380-691-01	BUTTON (70) (REW)	
172	3-380-690-01	BUTTON (70) (FF)	
173	3-380-692-01	BUTTON (70) (PAUSE)	
174	3-380-687-01	BUTTON (70) (ST/EJECT)	
175	3-351-377-01	DAMPER	
* 176	3-383-186-01	CUSHION, UPPER	
* 177	A-3262-595-A	TC BOARD, COMPLETE	
* 178	1-644-420-11	LEAF (70) BOARD	
* 179	1-644-417-11	RELAY (70) BOARD	

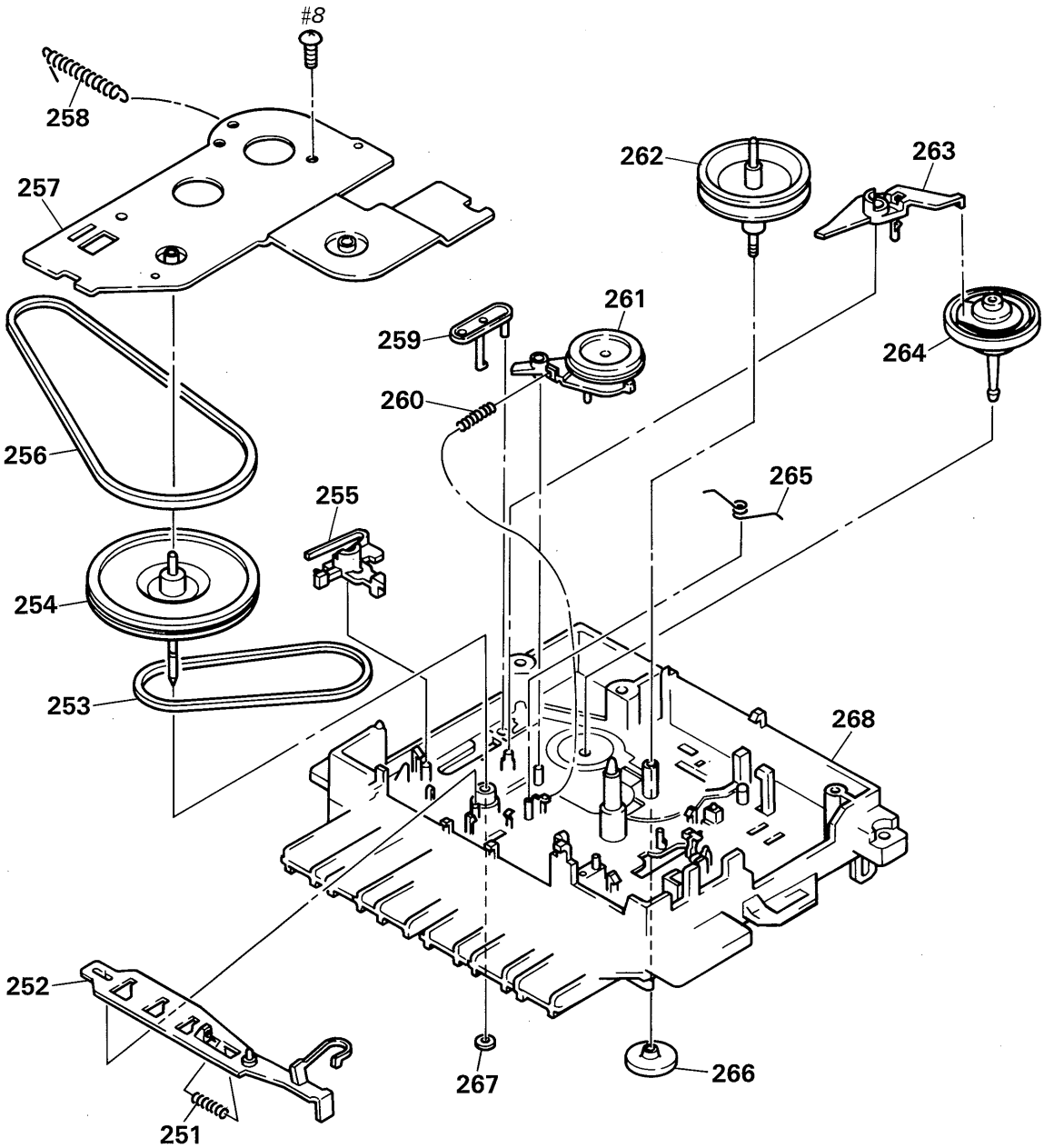
7-5. MECHANISM DECK SECTION-1 (CFD-757) (DECK A : MF-757-64)



Ref. No.	Part No.	Description	Remark
201	4-932-695-01	SLIDER (FR), LOCK	
202	4-932-656-01	SPRING, COMPRESSION	
203	4-928-994-01	LEVER, PAUSE	
204	4-928-993-01	LEVER, FF	
205	4-928-992-01	LEVER, REW	
206	4-928-991-01	LEVER, PLAY	
207	4-921-195-01	LEVER (AC), REC	
208	4-928-985-01	LEVER, STOP	
209	4-936-206-01	SLIDER (S), EJECT	
210	4-932-648-01	SPRING, COMPRESSION	
211	4-928-973-01	SPRING	
212	4-928-972-01	SPRING, TENSION	
213	3-313-372-01	SPRING, TENSION	

Ref. No.	Part No.	Description	Remark
214	4-928-998-01	DECK (S), HEAD	
215	4-928-962-01	PINCH ROLLER	
216	4-928-982-01	LEVER (C)	
217	X-4920-347-1	LEVER (S) ASSY, FR	
218	4-928-978-01	GEAR (C), SUPPLY REEL	
219	4-931-795-11	WASHER	
220	3-343-381-01	SPRING, COMPRESSION	
221	3-343-285-01	GEAR, FF	
222	X-4920-350-1	GEAR (S) ASSY, T REEL	
223	4-928-957-01	RETAINER, CASSETTE	
224	4-928-976-01	LEVER, SW	
HP101	1-543-628-11	HEAD, MAGNETIC (PB)	

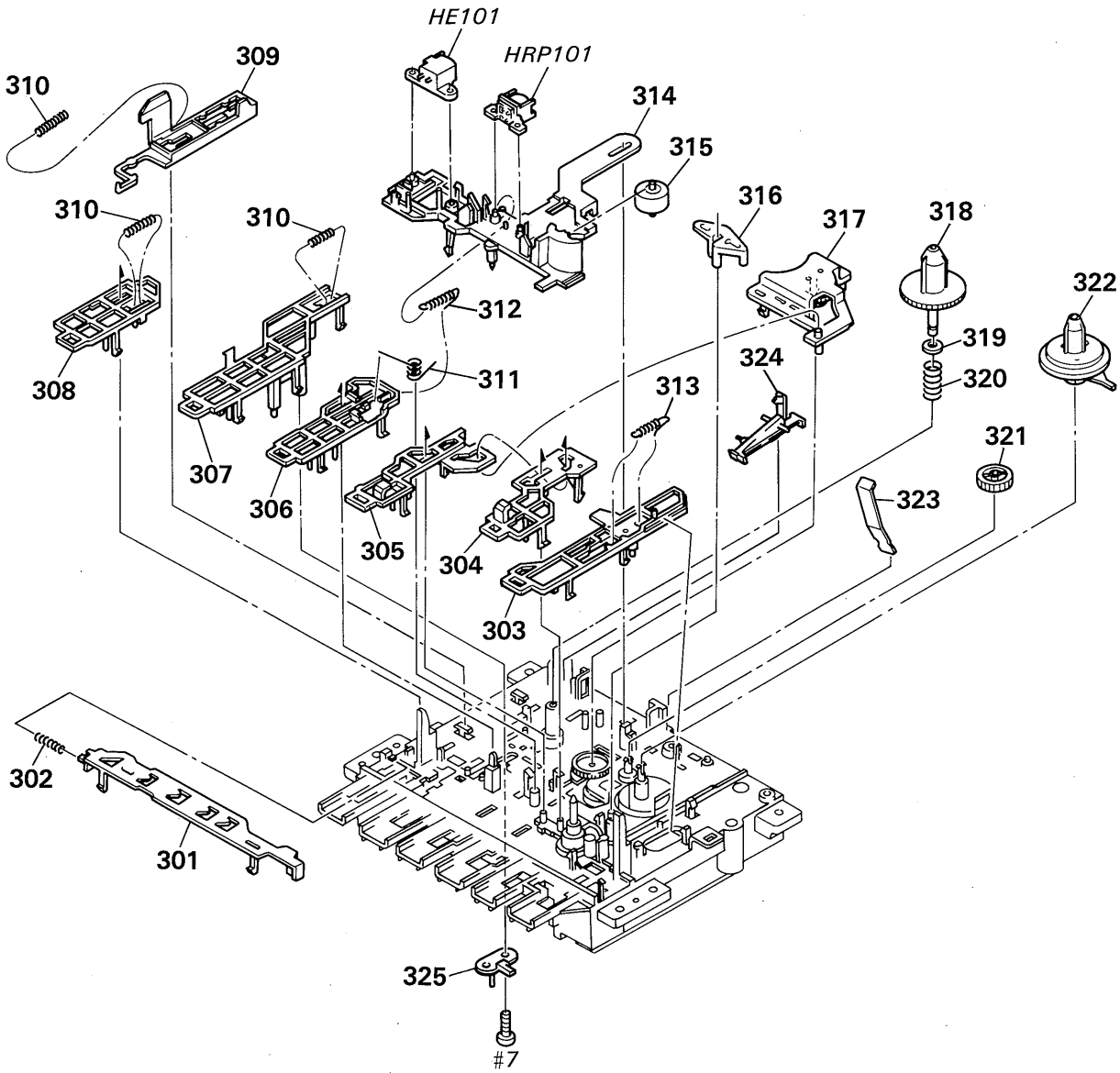
7-6. MECHANISM DECK SECTION-2 (CFD-757)
(DECK A : MF-757-64)



Ref. No.	Part No.	Description	Remark
251	4-932-656-01	SPRING, COMPRESSION	
252	4-928-996-01	LEVER, SW	
253	4-928-974-01	BELT (MIDWAY)	
254	X-4920-923-1	WHEEL (W) ASSY, CAPSTAN	
255	4-928-987-01	LEVER (T), SHUT-OFF	
256	4-934-520-01	BELT	
* 257	X-4918-598-1	PLATE ASSY, GROUND	
258	3-322-527-01	SPRING, TENSION	
259	4-928-961-01	PLATE, PAUSE LOCK	

Ref. No.	Part No.	Description	Remark
260	4-932-655-01	SPRING, COMPRESSION	
261	X-4920-346-2	LEVER (S) ASSY, IDLER	
262	X-4920-922-1	PULLEY (W) ASSY, FR	
263	4-928-986-01	LEVER (S), SHUT-OFF	
264	X-4918-582-1	PLATE ASSY, TAKE-UP REEL	
265	4-928-958-01	SPRING, FR RETURN	
266	4-928-967-01	GEAR (C), MIDWAY	
267	3-343-358-01	RING, RETAINING	
268	A-3208-379-A	CHASSIS (S) ASSY, MECHANISM	

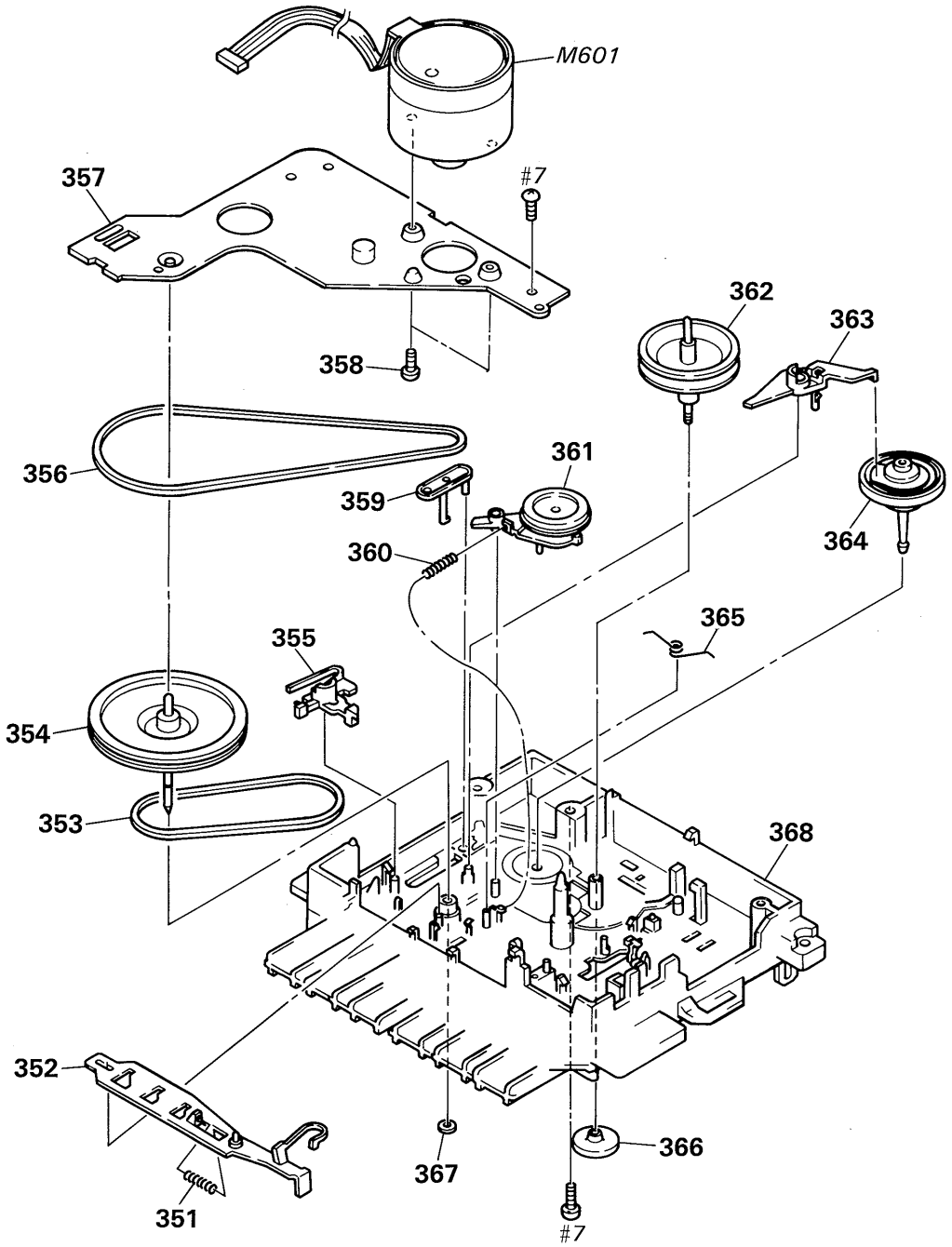
7-7. MECHANISM DECK SECTION-3 (CFD-757) (DECK B : MF-757-64)



Ref. No.	Part No.	Description	Remark
301	4-932-695-01	SLIDER (FR), LOCK	
302	4-932-656-01	SPRING, COMPRESSION	
303	4-928-994-01	LEVER, PAUSE	
304	4-928-993-01	LEVER, FF	
305	4-928-992-01	LEVER, REW	
306	4-928-991-01	LEVER, PLAY	
307	4-921-195-01	LEVER (AC), REC	
308	4-928-985-01	LEVER, STOP	
309	4-936-206-01	SLIDER (S), EJECT	
310	4-932-648-01	SPRING, COMPRESSION	
311	4-928-973-01	SPRING	
312	4-928-972-01	SPRING, TENSION	
313	3-313-372-01	SPRING, TENSION	
314	4-921-196-01	DECK (AC), HEAD	

Ref. No.	Part No.	Description	Remark
315	4-928-962-01	PINCH ROLLER	
316	4-928-982-01	LEVER (C)	
317	X-4920-347-1	LEVER (S) ASSY, FR	
318	4-928-978-01	GEAR (C), SUPPLY REEL	
319	4-931-795-11	WASHER	
320	3-343-381-01	SPRING, COMPRESSION	
321	3-343-285-01	GEAR, FF	
322	X-4920-350-1	GEAR (S) ASSY, T REEL	
323	4-928-957-01	RETAINER, CASSETTE	
324	4-928-960-02	CLAW, SAFETY	
325	4-928-976-01	LEVER, SW	
HE101	1-543-535-11	HEAD, MAGNETIC (ERASE)	
HRP101	1-543-628-11	HEAD, MAGNETIC (REC/PB)	

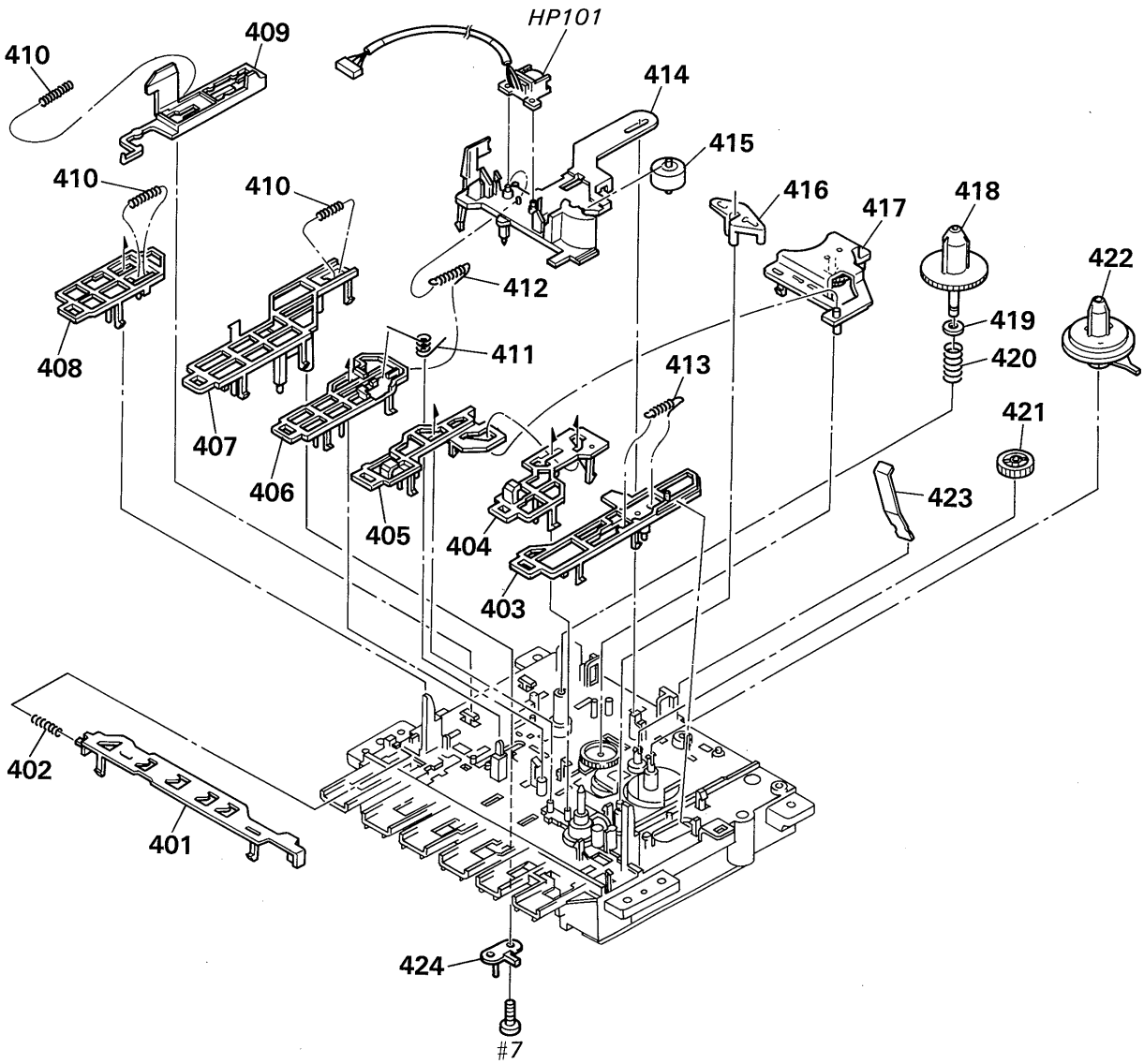
7-8. MECHANISM DECK SECTION-4 (CFD-757)
(DECK B : MF-757-64)



Ref. No.	Part No.	Description	Remark
351	4-932-656-01	SPRING, COMPRESSION	
352	4-928-996-01	LEVER, SW	
353	4-928-974-01	BELT (MIDWAY)	
354	X-4920-923-1	WHEEL (W) ASSY, CAPSTAN	
355	4-928-987-01	LEVER (T), SHUT-OFF	
356	4-934-521-01	BELT	
357	X-4920-921-1	PLATE (W) ASSY, GROUND	
358	3-343-251-01	SCREW (M2.6X2.5)	
359	4-928-961-01	PLATE, PAUSE LOCK	
360	4-932-655-01	SPRING, COMPRESSION	

Ref. No.	Part No.	Description	Remark
361	X-4920-346-2	LEVER (S) ASSY, IDLER	
362	X-4920-922-1	PULLEY (W) ASSY, FR	
363	4-928-986-01	LEVER (S), SHUT-OFF	
364	X-4918-582-1	PLATE ASSY, TAKE-UP REEL	
365	4-928-958-01	SPRING, FR RETURN	
366	4-928-967-01	GEAR (C), MIDWAY	
367	3-343-358-01	RING, RETAINING	
368	A-3208-379-A	CHASSIS (S) ASSY, MECHANISM	
M601	X-4920-924-1	MOTOR ASSY (REEL/CAPSTAN)	

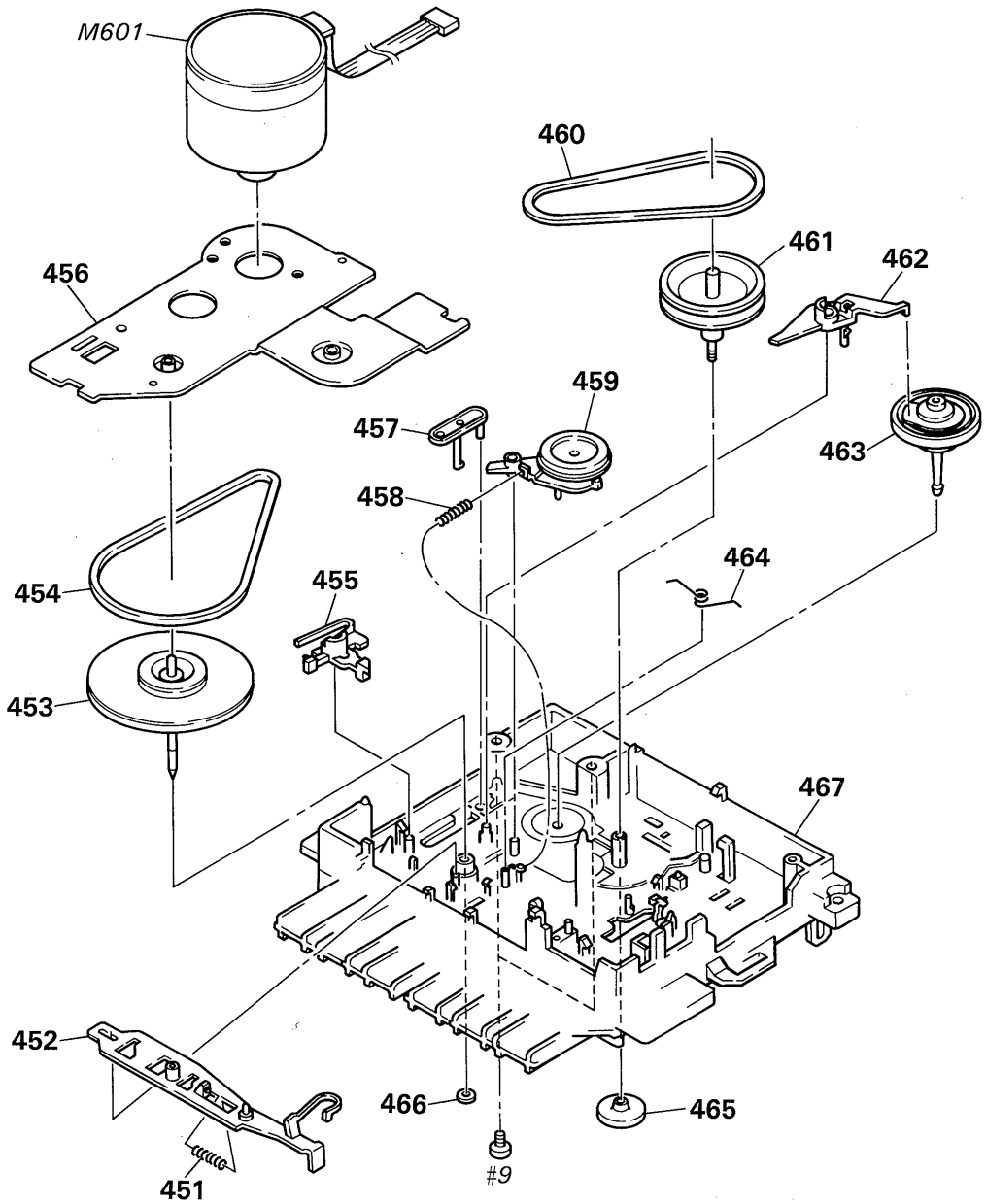
7-9. MECHANISM DECK SECTION-5 (CFD-767)
(DECK A : MF-767-64PB)



Ref. No.	Part No.	Description	Remark
401	4-932-695-01	SLIDER (FR), LOCK	
402	4-932-656-01	SPRING, COMPRESSION	
403	4-928-994-01	LEVER, PAUSE	
404	4-928-993-01	LEVER, FF	
405	4-928-992-01	LEVER, REW	
406	4-928-991-01	LEVER, PLAY	
407	4-921-195-01	LEVER (AC), REC	
408	4-928-985-01	LEVER, STOP	
409	4-936-206-01	SLIDER (S), EJECT	
410	4-932-648-01	SPRING, COMPRESSION	
411	4-928-973-01	SPRING	
412	4-928-972-01	SPRING, TENSION	
413	3-313-372-01	SPRING, TENSION	

Ref. No.	Part No.	Description	Remark
414	4-928-998-01	DECK (S), HEAD	
415	4-928-962-01	PINCH ROLLER	
416	4-928-982-01	LEVER (C)	
417	X-4920-347-1	LEVER (S) ASSY, FR	
418	4-928-978-01	GEAR (C), SUPPLY REEL	
419	4-931-795-11	WASHER	
420	3-343-381-01	SPRING, COMPRESSION	
421	3-343-285-01	GEAR, FF	
422	X-4920-350-1	GEAR (S) ASSY, T REEL	
423	4-928-957-01	RETAINER, CASSETTE	
424	4-928-976-01	LEVER, SW	
HP101	1-543-714-11	HEAD, MAGNETIC (PB)	

7-10. MECHANISM DECK SECTION-6 (CFD-767)
(DECK A : MF-767-64PB)

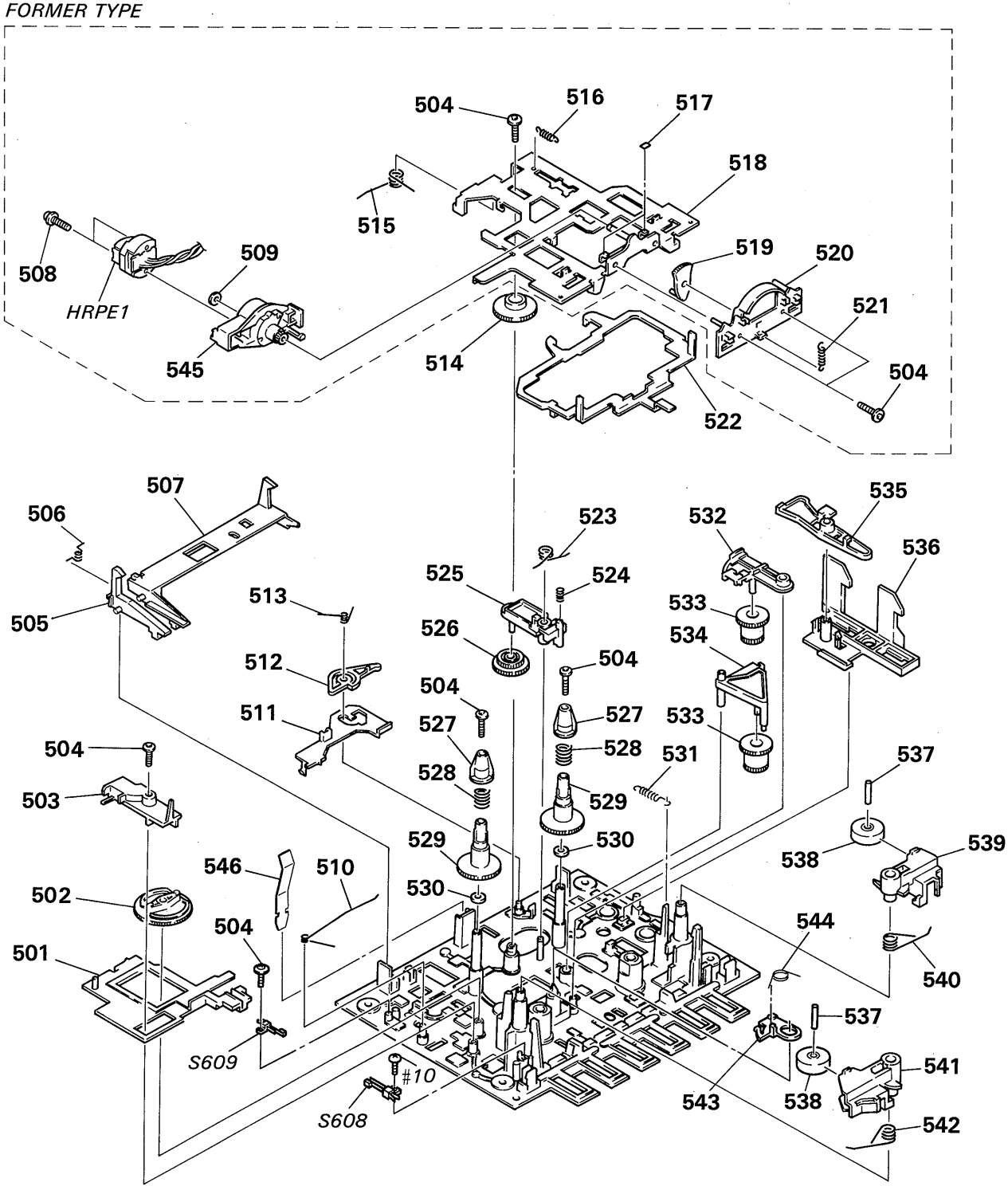


Ref. No.	Part No.	Description	Remark
451	4-932-656-01	SPRING, COMPRESSION	
452	4-928-996-01	LEVER, SW	
453	X-4920-349-1	WHEEL (S) ASSY, CAPSTAN	
454	3-453-112-00	BELT (CAPSTAN)	
455	4-928-987-01	LEVER (T), SHUT-OFF	
* 456	X-4918-598-1	PLATE ASSY, GROUND	
457	4-928-961-01	PLATE, PAUSE LOCK	
458	4-932-655-01	SPRING, COMPRESSION	
459	X-4920-346-2	LEVER (S) ASSY, IDLER	

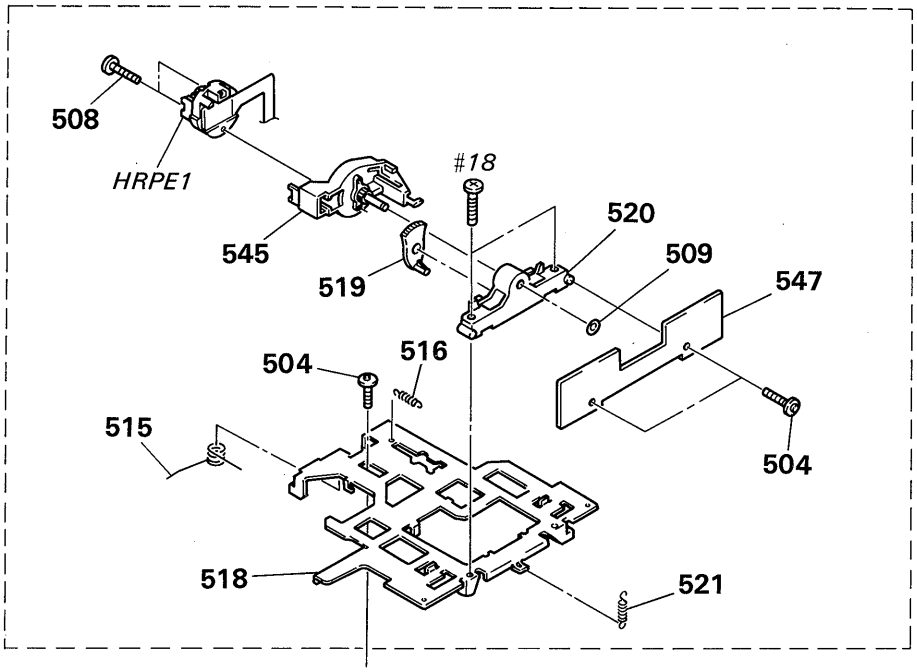
Ref. No.	Part No.	Description	Remark
460	4-928-974-01	BELT (MIDWAY)	
461	X-4918-580-1	PULLEY ASSY, FR	
462	4-928-986-01	LEVER (S), SHUT-OFF	
463	X-4918-582-1	PLATE ASSY, TAKE-UP REEL	
464	4-928-958-01	SPRING, FR RETURN	
465	4-928-967-01	GEAR (C), MIDWAY	
466	3-343-358-01	RING, RETAINING	
467	A-3208-379-A	CHASSIS (S) ASSY, MECHANISM	
M601	X-3366-404-1	MOTOR ASSY (REEL/CAPSTAN)	

7-11. MECHANISM DECK SECTION-7 (CFD-767)
(DECK B : MF-767-102)

FORMER TYPE



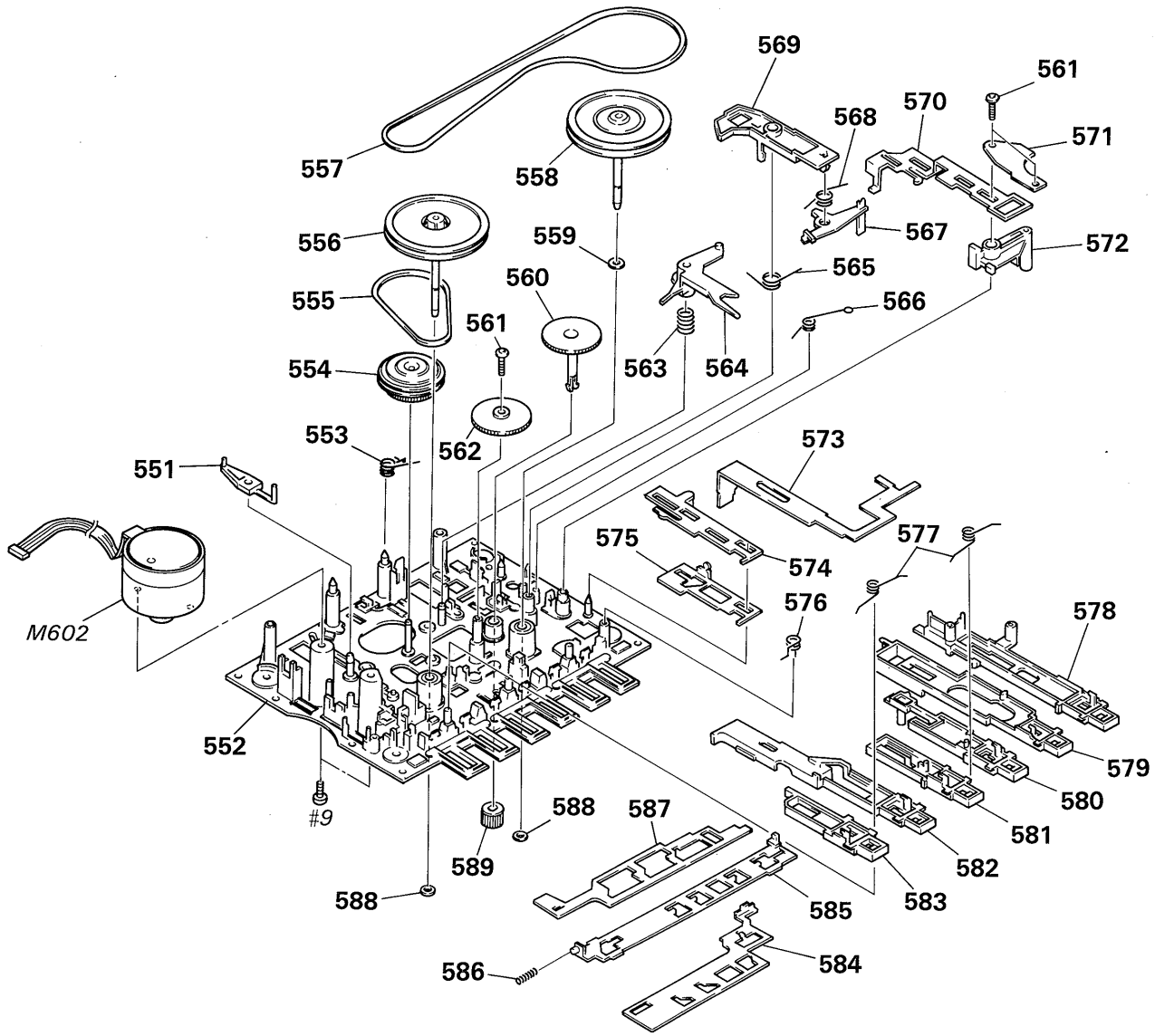
NEW TYPE



Ref. No.	Part No.	Description	Remark
501	3-374-364-01	SLIDER (NR)	
502	3-374-365-01	GEAR (NR), CAM	
503	3-374-330-01	LEVER (DIR A)	
504	3-344-737-11	SCREW (B1.4X6), TAPPING	
505	3-374-335-01	LEVER (ERASE N)	
506	4-930-451-01	SPRING	
507	3-374-366-01	LEVER (ERASE R)	
508	3-309-597-81	SCREW (1.4), TAPPING	
509	3-328-432-01	WASHER, STOPPER	(NEW TYPE)
509	3-336-319-01	RING, RETAINING	(FORMER TYPE)
510	3-374-331-01	SPRING (DIR), TORSION	
511	3-374-332-01	SLIDER (BRAKE)	
512	3-374-333-01	LEVER (PAUSE)	
513	3-374-334-01	SPRING (BRAKE), TORSION	
514	3-374-329-01	GEAR, MIDWAY	
515	3-374-342-01	SPRING (HEAD), TORSION	
516	3-380-814-01	SPRING, TENSION	
* 517	3-377-197-01	SHEET (AZ) (T=0.09)	(FORMER TYPE)
* 517	3-377-197-11	SHEET (AZ) (T=0.115)	(FORMER TYPE)
* 517	3-377-197-21	SHEET (AZ) (T=0.14)	(FORMER TYPE)
* 517	3-377-197-31	SHEET (AZ) (T=0.165)	(FORMER TYPE)
* 517	3-377-197-41	SHEET (AZ) (T=0.23)	(FORMER TYPE)
* 518	X-3363-914-1	CHASSIS ASSY, HEAD	(FORMER TYPE)
* 518	3-381-657-01	CHASSIS, HEAD	(NEW TYPE)
519	3-374-343-01	LEVER (FAN TYPE)	(FORMER TYPE)
519	3-381-660-01	LEVER (FAN-SHAPED)	(NEW TYPE)
* 520	3-374-369-01	GEAR (BASE), HEAD	(FORMER TYPE)
* 520	3-381-658-01	GEAR (BASE), HEAD	(NEW TYPE)
521	3-386-829-01	SPRING, TENSION	
* 522	3-374-370-01	SLIDER (HD)	
523	3-374-327-01	SPRING (N R), TORSION	

Ref. No.	Part No.	Description	Remark
524	3-343-264-81	COLLAR, SPRING	
525	3-374-363-01	LEVER (FWD)	
526	3-374-328-01	GEAR, FWD	
527	4-930-408-11	CLAW, REEL	
528	4-931-747-11	SPRING, COMPRESSION	
529	3-374-326-01	TABLE, REEL	
530	3-377-195-01	WASHER (S)	
531	3-377-194-01	SPRING, TENSION	
532	3-374-338-01	LEVER (REW)	
533	3-374-339-01	GEAR, FR	
534	3-374-368-01	LEVER (FF)	
535	3-374-336-01	LEVER (SW)	
* 536	3-374-367-01	LEVER (EJECT)	
537	3-366-052-11	SHAFT, PINCH ROLLER	
538	3-366-051-11	PINCH ROLLER	
* 539	3-374-372-01	LEVER (PINCH N)	
540	3-374-346-01	SPRING (N), TORSION	
* 541	3-374-373-01	LEVER (PINCH R)	
542	3-374-347-01	SPRING (R), TORSION	
543	3-374-340-01	LEVER (TIMER)	
544	3-374-341-01	SPRING (TIMER), TORSION	
545	X-3365-422-1	HOLDER ASSY, HEAD	(NEW TYPE)
545	3-374-371-01	HOLDER, HEAD	(FORMER TYPE)
546	3-376-135-01	SPRING, CASSETTE	
* 547	1-645-055-13	HEAD RELAY BOARD	(NEW TYPE)
HRPE1	1-543-932-11	HEAD, MAGNETIC (REC/PB/ERASE)	(FORMER TYPE)
HRPE1	1-543-944-11	HEAD, MAGNETIC (REC/PB/ERASE) (WITH FLEXIBLE BOARD)	(NEW TYPE)
S608	1-570-559-11	SWITCH, LEAF (DIR)	
S609	1-571-348-11	SWITCH, LEAF (F/R)	

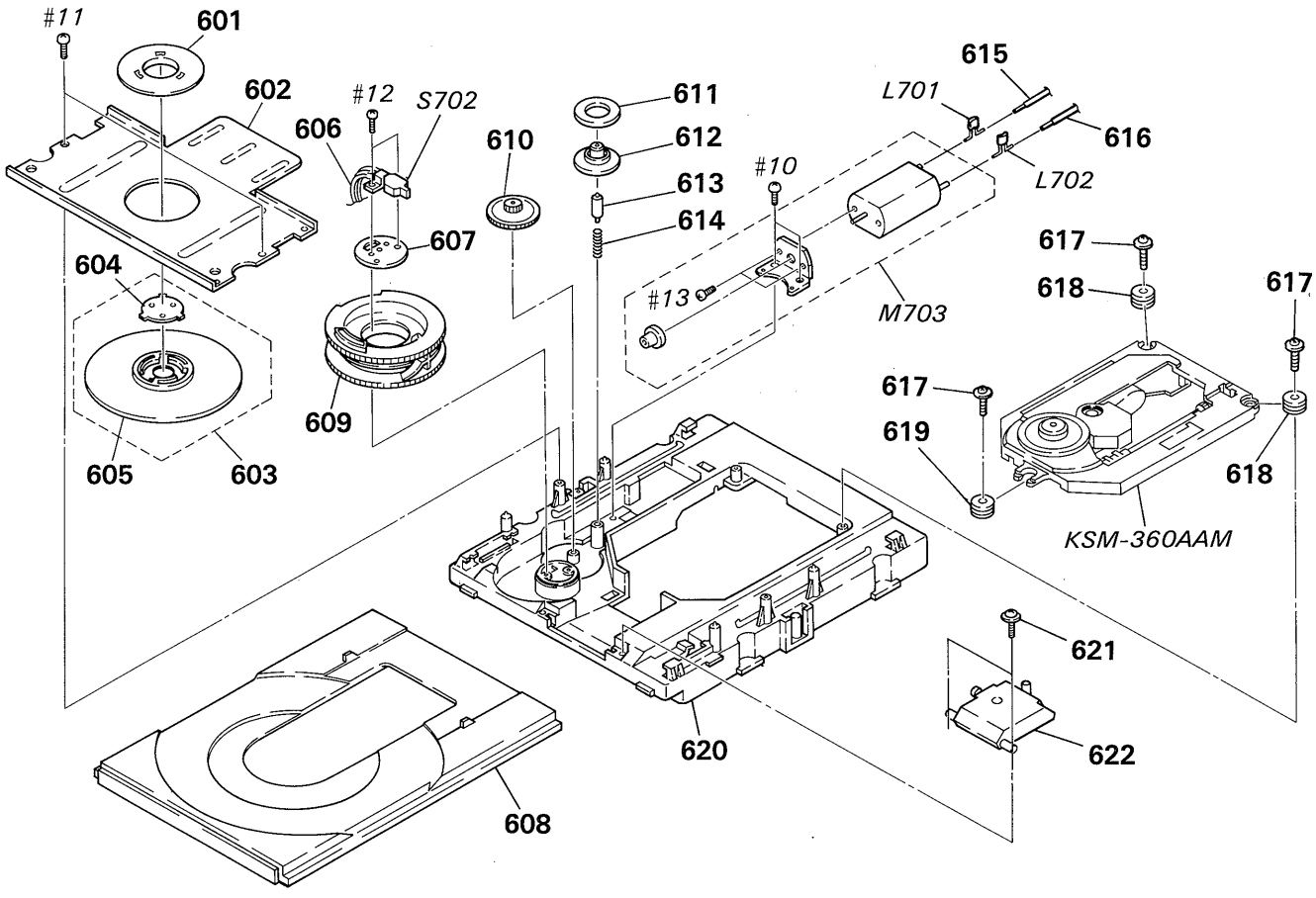
7-12. MECHANISM DECK SECTION-8 (CFD-767)
(DECK B : MF-767-102)



Ref. No.	Part No.	Description	Remark
551	3-374-304-01	LEVER (PAUSE ROCK)	
* 552	X-3363-918-1	CHASSIS ASSY, MECHANICAL	
553	3-374-310-01	SPRING (FWD), TORSION	
554	X-3363-917-1	LIMITER ASSY, FWD	
555	3-374-321-01	BELT	
556	X-3365-411-1	FLY ASSY (N2)	
557	3-374-323-01	BELT	
558	X-3363-913-1	FLY ASSY (R)	
559	3-683-454-01	WASHER, POLYETHYLENE	
560	3-374-318-01	GEAR (A), DECELERATION	
561	3-344-737-11	SCREW (B1.4X6), TAPPING	
562	3-374-359-01	GEAR (S OFF), CAM	
563	3-375-011-01	SPRING, COMPRESSION	
* 564	3-374-316-01	LEVER (S OFF A)	
565	3-374-313-01	SPRING (S OFF), TORSION	
566	3-374-307-01	SPRING (MUTUAL), TORSION	
567	3-374-312-01	LEVER (S OFF B)	
568	3-374-311-01	SPRING (S OFF C), TORSION	
569	3-374-357-01	LEVER (S OFF C)	
570	3-374-358-01	SLIDER (ERASING)	

Ref. No.	Part No.	Description	Remark
* 571	3-374-317-01	REINFORCEMENT	
572	3-374-314-01	LEVER (DIR B)	
* 573	3-374-315-01	SLIDER (CR)	
574	3-374-306-01	SLIDER (MODE B)	
* 575	3-374-305-01	SLIDER (MODE A)	
576	3-374-309-01	SPRING (REC), TORSION	
577	3-374-308-01	SPRING (CONTROL), TORSION	
578	3-374-356-01	SLIDER (REC)	
579	3-374-355-01	SLIDER (FWD)	
580	3-374-354-01	SLIDER (REW)	
581	3-374-353-01	SLIDER (FF)	
582	3-374-352-01	SLIDER (PAUSE)	
583	3-374-351-01	SLIDER (STOP)	
* 584	3-374-348-01	SLIDER (FR)	
585	3-374-350-01	SLIDER (LOCK)	
586	4-932-648-01	SPRING, COMPRESSION	
* 587	3-374-349-01	SLIDER (SW)	
588	3-374-324-01	RING, RETAINING	
589	3-374-325-01	GEAR (B), DECELERATION	
M602	A-3253-408-A	MOTOR ASSY (9F) (REEL/CAPSTAN)	

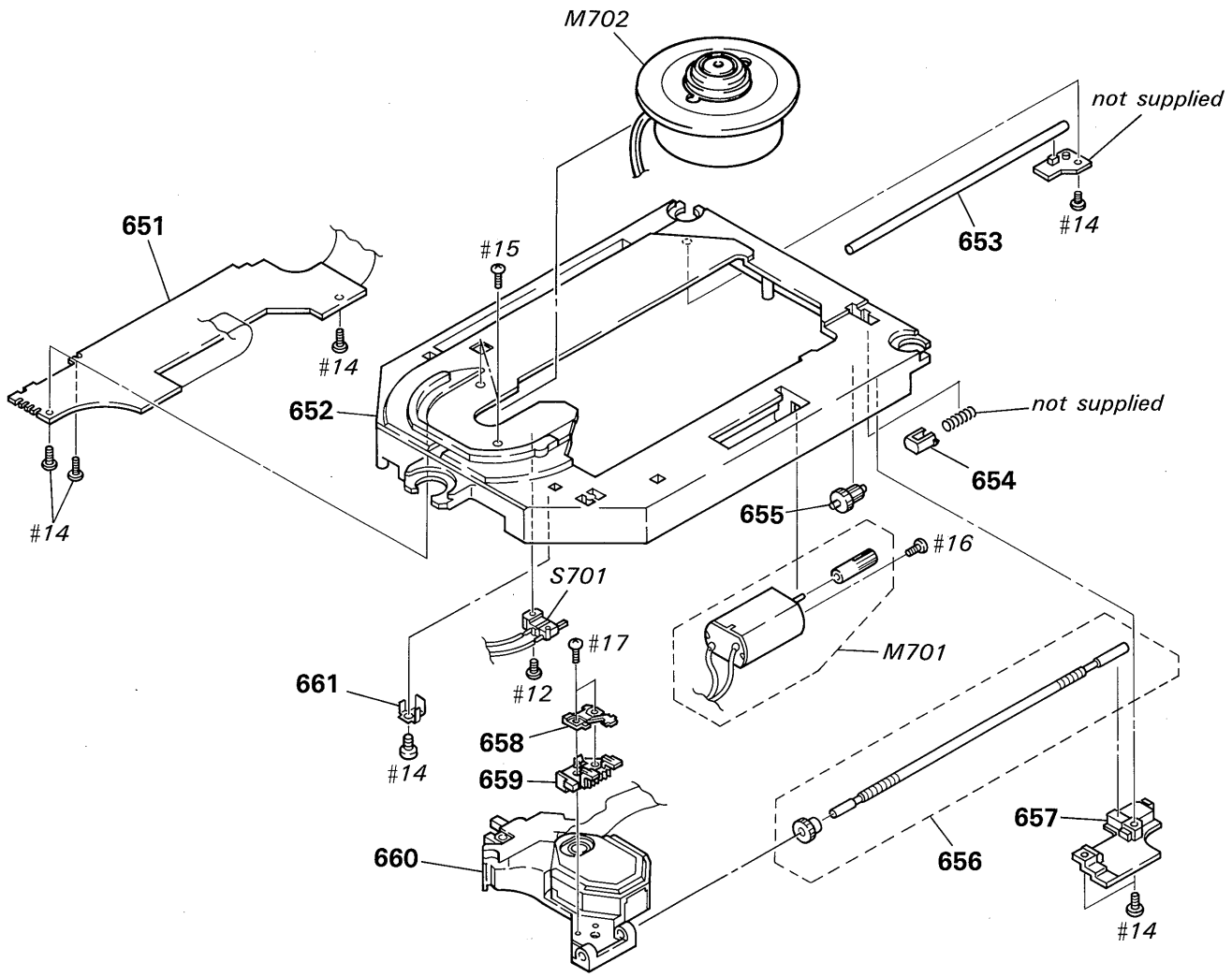
7-13. CD CHASSIS SECTION (KSL-360AAM)



Ref. No.	Part No.	Description	Remark
* 601	2-625-934-01	PULLEY (B), CHUCKING	
* 602	2-625-932-01	CHASSIS, CHUCK	
603	X-2625-355-1	CHUCKING (A) ASSY (RP)	
* 604	2-625-923-01	PLATE, PULLEY	
* 605	2-625-933-02	PULLEY (A), CHUCKING	
606	1-949-833-11	HARNESS (SW (K))	
* 607	2-625-920-01	SWITCH (BASE), LEAF	
608	2-625-936-01	TRAY	
609	2-625-931-01	GEAR, CONTROL	
610	2-625-925-01	GEAR (B)	
611	2-625-865-01	RING, RUBBER	
612	2-625-926-01	GEAR (A)	
613	2-625-927-01	SHAFT, SPRING	

Ref. No.	Part No.	Description	Remark
614	2-625-928-01	SPRING, COMPRESSION	
615	1-949-834-21	HARNESS (D)	
616	1-949-834-11	HARNESS (D)	
617	2-625-922-01	SCREW (2X6), + PTPWH	
618	2-625-864-11	INSULATOR	
619	2-625-864-01	INSULATOR	
* 620	2-625-935-01	CHASSIS, LU	
621	2-626-294-11	SCREW (+ PTPWH) (2.6X7)	
* 622	2-625-930-01	LIFTER	
L701	1-410-678-31	MICRO INDUCTOR (220uH)	
L702	1-410-678-31	MICRO INDUCTOR (220uH)	
M703	X-2625-350-1	MOTOR ASSY, LOADING	
S702	1-692-053-11	SWITCH, LEAF (LOAD IN/OUT)	

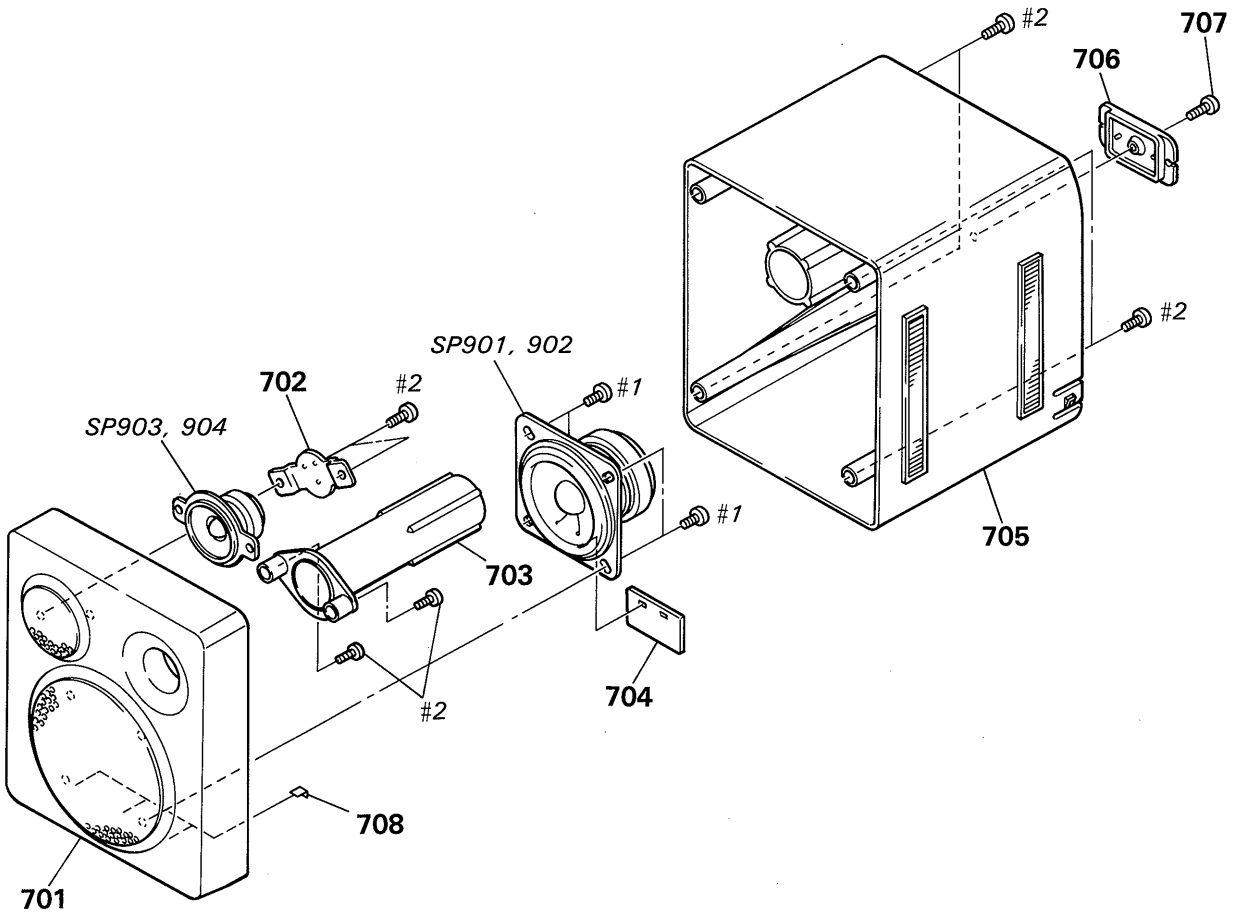
7-14. OPTICAL PICKUP SECTION (KSM-360AAM)



Ref. No.	Part No.	Description	Remark
651	1-643-074-12	TRANSLATION BOARD	
* 652	2-625-949-01	CHASSIS (80), MD	
* 653	2-625-943-01	SHAFT (80), GUIDE	
* 654	2-625-941-01	RETAINER (80), THRUST	
655	2-625-944-01	GEAR (B80)	
656	X-2625-351-1	SCREW (80) ASSY, SLED	
* 657	2-625-945-01	PLATE (80), FIXED	
658	2-626-098-02	RACK (80)	
659	2-626-099-02	RACK (80) (J)	
⚠660	8-848-246-01	PICKUP, OPTICAL KSS-360A	
* 661	2-625-946-01	SPRING (80), SLED	
M701	X-2625-352-1	MOTOR ASSY, SLED	
M702	X-2625-354-1	MOTOR ASSY, SPINDLE	
S701	1-570-771-21	SWITCH (LIMIT)	

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

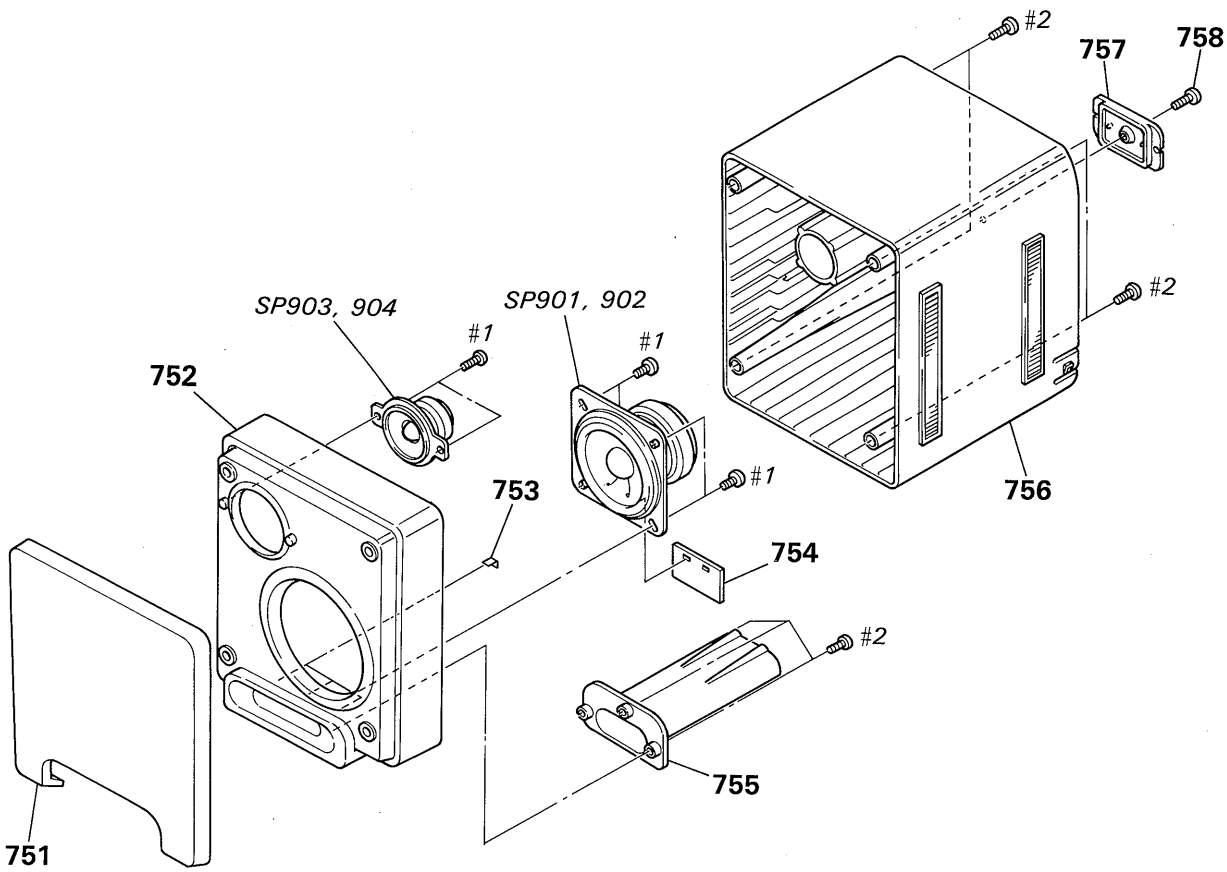
7-15. SPEAKER BOX SECTION (CFD-757)



Ref. No.	Part No.	Description	Remark
701	X-3365-258-1	SPK (FRONT) SUB ASSY (L CH)	
701	X-3365-259-1	SPK (FRONT) SUB ASSY (R CH)	
* 702	3-380-564-01	BRACKET, SPEAKER	
703	3-380-590-01	DUCT (51), SPEAKER	
* 704	1-644-428-11	SPEAKER (L) BOARD (L CH)	
* 704	1-644-428-11	SPEAKER (R) BOARD (R CH)	
705	3-380-544-01	CABINET (REAR), SPEAKER (L CH)	
705	3-380-546-01	CABINET (REAR), SPEAKER (R CH)	

Ref. No.	Part No.	Description	Remark
706	3-380-547-01	REEL, SPEAKER	
707	3-325-679-71	SCREW, TAPPING +BV 3X12	
708	3-831-441-XX	CUSHION, SPEAKER	
SP901	1-544-047-11	SPEAKER (WOOFER) (L CH)	
SP902	1-544-047-11	SPEAKER (WOOFER) (R CH)	
SP903	1-544-701-11	SPEAKER (TWEETER) (L CH)	
SP904	1-544-701-11	SPEAKER (TWEETER) (R CH)	

7-16. SPEAKER BOX SECTION (CFD-767)



Ref. No.	Part No.	Description	Remark
751	X-3366-547-1	SPK, NET (S) ASSY	
752	X-3366-545-1	SPK, FRONT (L) ASSY (L CH)	
752	X-3366-546-1	SPK, FRONT (R) ASSY (R CH)	
753	3-831-441-XX	CUSHION, SPEAKER	
* 754	1-644-428-11	SPEAKER (L) BOARD (L CH)	
* 754	1-644-428-11	SPEAKER (R) BOARD (R CH)	
755	3-380-686-01	DUCT (52), SPEAKER	
756	3-380-544-01	CABINET (REAR), SPEAKER (L CH)	

Ref. No.	Part No.	Description	Remark
756	3-380-546-01	CABINET (REAR), SPEAKER (R CH)	
757	3-380-547-01	REEL, SPEAKER	
758	3-325-679-71	SCREW, TAPPING +BV 3X12	
SP901	1-544-047-11	SPEAKER (WOOFER) (L CH)	
SP902	1-544-047-11	SPEAKER (WOOFER) (R CH)	
SP903	1-544-701-11	SPEAKER (TWEETER) (L CH)	
SP904	1-544-701-11	SPEAKER (TWEETER) (R CH)	

SECTION 8
ELECTRICAL PARTS LIST

BATTERY (L) | BATTERY (S) | CD

When indicating parts by reference number, please include the board.

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL:Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F:nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u:μ, for example:
  uA..: μA.. uPA..: μPA..
  uPB..: μPB.. uPC..: μPC.. uPD..: μPD..
- CAPACITORS
  uF: μF
- COILS
  uH: μH
- Abbreviations
  CND:Canadian model
  AUS:Australian model
  E=E94:Taiwan model

Ref. No.	Part No.	Description			Remark
*	1-644-422-11	BATTERY (L) BOARD			
		**********			
	3-379-748-01	SPRING (-)			
**********					
*	1-644-423-11	BATTERY (S) BOARD			
		**********			
	3-383-758-02	SPRING (S), BATTERY			
**********					
*	A-3262-571-A	CD BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C701	1-163-205-00	CERAMIC CHIP	0.001uF	5%	50V
C702	1-135-162-21	TANTALUM CHIP	33uF	20%	6.3V
C703	1-135-162-21	TANTALUM CHIP	33uF	20%	6.3V
C704	1-163-059-00	CERAMIC CHIP	0.01uF	10%	50V
C705	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C706	1-163-101-00	CERAMIC CHIP	22PF	5%	50V
C707	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C708	1-163-059-00	CERAMIC CHIP	0.01uF	10%	50V
C709	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C710	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C711	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C712	1-135-181-21	TANTALUM CHIP	4.7uF	20%	6.3V
C714	1-163-989-11	CERAMIC CHIP	0.033uF	10%	25V
C715	1-163-115-00	CERAMIC CHIP	82PF	5%	50V
C716	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C717	1-164-343-11	CERAMIC CHIP	0.056uF	10%	25V
C718	1-163-109-00	CERAMIC CHIP	47PF	5%	50V
C719	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C720	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C721	1-163-035-00	CERAMIC CHIP	0.047uF		50V
C722	1-163-989-11	CERAMIC CHIP	0.033uF	10%	25V
C724	1-163-059-00	CERAMIC CHIP	0.01uF	10%	50V
C725	1-163-078-11	CERAMIC CHIP	0.033uF	10%	25V
C726	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C727	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C728	1-163-059-00	CERAMIC CHIP	0.01uF	10%	50V
C729	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C730	1-163-012-00	CERAMIC CHIP	0.0018uF	10%	50V
C732	1-163-012-00	CERAMIC CHIP	0.0018uF	10%	50V
C733	1-163-989-11	CERAMIC CHIP	0.033uF	10%	25V
C734	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C735	1-163-011-11	CERAMIC CHIP	0.0015uF	10%	50V
C736	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C737	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C738	1-163-059-00	CERAMIC CHIP	0.01uF	10%	50V
C739	1-162-637-11	CERAMIC CHIP	0.47uF		16V
C740	1-163-059-00	CERAMIC CHIP	0.01uF	10%	50V
C742	1-163-035-00	CERAMIC CHIP	0.047uF		50V
C743	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C745	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C746	1-162-282-31	CERAMIC	100PF	10%	50V
C747	1-162-282-31	CERAMIC	100PF	10%	50V
C748	1-162-282-31	CERAMIC	100PF	10%	50V
C749	1-162-282-31	CERAMIC	100PF	10%	50V
C751	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C752	1-128-393-11	ELECT	100uF	20%	10V
C753	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C754	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C755	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C756	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C757	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C758	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C759	1-124-635-00	ELECT	220uF	20%	6.3V
C760	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C761	1-163-245-11	CERAMIC CHIP	56PF	5%	50V
C762	1-163-245-11	CERAMIC CHIP	56PF	5%	50V
C763	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C764	1-163-011-11	CERAMIC CHIP	0.0015uF	10%	50V
C765	1-163-123-00	CERAMIC CHIP	180PF	5%	50V
C766	1-135-181-21	TANTALUM CHIP	4.7uF	20%	6.3V
C769	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C770	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C771	1-163-245-11	CERAMIC CHIP	56PF	5%	50V
C772	1-163-245-11	CERAMIC CHIP	56PF	5%	50V

Ref. No.	Part No.	Description			Remark
C773	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C774	1-163-011-11	CERAMIC CHIP	0.0015uF	10%	50V
C775	1-163-123-00	CERAMIC CHIP	180PF	5%	50V
C776	1-135-181-21	TANTALUM CHIP	4.7uF	20%	6.3V
C781	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C782	1-128-393-11	ELECT	100uF	20%	10V
C783	1-163-059-00	CERAMIC CHIP	0.01uF	10%	50V
C784	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C785	1-124-455-00	ELECT	100uF	20%	16V
C786	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C787	1-124-635-00	ELECT	220uF	20%	6.3V
C788	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C789	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C790	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C791	1-163-181-00	CERAMIC CHIP	100PF	5%	50V
C792	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C794	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C795	1-162-306-11	CERAMIC	0.01uF	20%	16V
C796	1-162-294-31	CERAMIC	0.001uF	10%	50V
C797	1-162-294-31	CERAMIC	0.001uF	10%	50V
C799	1-162-306-11	CERAMIC	0.01uF	20%	16V

< CONNECTOR >

* CN701	1-691-777-11	HOUSING, CONNECTOR 29P	
CN702	1-563-627-11	CONNECTOR, FLEXIBLE 24P	

< DIODE >

D701	8-719-404-46	DIODE	MA110
D702	8-719-404-46	DIODE	MA110
D703	8-719-404-46	DIODE	MA110
D704	8-719-404-46	DIODE	MA110
D705	8-719-404-46	DIODE	MA110
D706	8-719-404-46	DIODE	MA110

< IC >

IC701	8-752-059-30	IC	CXA1610M
IC702	8-752-058-77	IC	CXA1372AQ
IC703	8-752-352-93	IC	CXD2500BQ
IC704	8-759-518-59	IC	BA6296FP
IC705	8-759-962-08	IC	BA6208
IC706	8-759-071-77	IC	SM5870DS
IC707	8-759-710-55	IC	NJM2100M
IC708	8-759-710-55	IC	NJM2100M
IC710	8-759-948-48	IC	RH5RA50A

< JUMPER RESISTOR >

JR701	1-249-366-11	CARBON MELF	0	5%	1/5W
JR702	1-249-997-11	CARBON MELF	0	5%	1/8W
JR703	1-249-997-11	CARBON MELF	0	5%	1/8W
JR704	1-249-997-11	CARBON MELF	0	5%	1/8W
JR705	1-249-997-11	CARBON MELF	0	5%	1/8W
JR706	1-249-366-11	CARBON MELF	0	5%	1/5W
JR707	1-249-366-11	CARBON MELF	0	5%	1/5W
JR708	1-249-997-11	CARBON MELF	0	5%	1/8W
JR709	1-249-366-11	CARBON MELF	0	5%	1/5W
JR710	1-249-997-11	CARBON MELF	0	5%	1/8W
JR711	1-249-366-11	CARBON MELF	0	5%	1/5W
JR712	1-249-366-11	CARBON MELF	0	5%	1/5W
JR713	1-249-366-11	CARBON MELF	0	5%	1/5W
JR714	1-249-366-11	CARBON MELF	0	5%	1/5W
JR715	1-249-997-11	CARBON MELF	0	5%	1/8W
JR716	1-249-997-11	CARBON MELF	0	5%	1/8W
JR717	1-249-366-11	CARBON MELF	0	5%	1/5W
JR718	1-249-366-11	CARBON MELF	0	5%	1/5W
JR719	1-249-997-11	CARBON MELF	0	5%	1/8W
JR720	1-249-366-11	CARBON MELF	0	5%	1/5W
JR721	1-249-366-11	CARBON MELF	0	5%	1/5W
JR722	1-249-366-11	CARBON MELF	0	5%	1/5W
JR724	1-249-997-11	CARBON MELF	0	5%	1/8W
JR725	1-249-997-11	CARBON MELF	0	5%	1/8W
JR726	1-249-366-11	CARBON MELF	0	5%	1/5W
JR727	1-249-366-11	CARBON MELF	0	5%	1/5W
JR728	1-249-366-11	CARBON MELF	0	5%	1/5W

< COIL >

L701	1-410-381-11	INDUCTOR CHIP	10uH
L703	1-410-381-11	INDUCTOR CHIP	10uH
L704	1-410-737-31	INDUCTOR CHIP	0.47uH

< IC LINK >

⚠PS701	1-576-259-11	LINK, IC	

< TRANSISTOR >

Q701	8-729-101-07	TRANSISTOR	2SB798-DL
Q702	8-729-805-91	TRANSISTOR	2SA1563
Q703	8-729-101-07	TRANSISTOR	2SB798-DL
Q704	8-729-805-94	TRANSISTOR	2SC4047
Q705	8-729-920-31	TRANSISTOR	DTC343TK
Q706	8-729-920-31	TRANSISTOR	DTC343TK
Q707	8-729-805-42	TRANSISTOR	2SC3859
Q708	8-729-805-42	TRANSISTOR	2SC3859
Q709	8-729-805-91	TRANSISTOR	2SA1563
Q710	8-729-805-45	TRANSISTOR	2SC3395
Q711	8-729-805-45	TRANSISTOR	2SC3395
Q712	8-729-805-94	TRANSISTOR	2SC4047
Q713	8-729-805-94	TRANSISTOR	2SC4047
Q715	8-729-140-75	TRANSISTOR	2SD999-CLCK

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

CD CONTROL LAMP

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R701	1-249-395-11	CARBON	15	5%	1/4W
R702	1-216-001-00	METAL CHIP	10	5%	1/10W
R703	1-249-350-11	CARBON MELF	18K	5%	1/8W
R704	1-216-066-00	METAL CHIP	5.1K	5%	1/10W
R705	1-249-339-11	CARBON MELF	2.2K	5%	1/8W
R715	1-249-359-11	CARBON MELF	100K	5%	1/8W
R716	1-249-360-11	CARBON MELF	120K	5%	1/8W
R717	1-249-360-11	CARBON MELF	120K	5%	1/8W
R718	1-249-355-11	CARBON MELF	47K	5%	1/8W
R719	1-249-347-11	CARBON MELF	10K	5%	1/8W
R720	1-249-355-11	CARBON MELF	47K	5%	1/8W
R721	1-216-113-00	METAL CHIP	470K	5%	1/10W
R722	1-249-360-11	CARBON MELF	120K	5%	1/8W
R723	1-249-347-11	CARBON MELF	10K	5%	1/8W
R724	1-249-417-11	CARBON	1K	5%	1/4W
R725	1-249-435-11	CARBON	33K	5%	1/4W
R726	1-249-365-11	CARBON MELF	330K	5%	1/8W
R727	1-249-426-11	CARBON	5.6K	5%	1/4W
R728	1-215-417-00	METAL	680	1%	1/6W
R729	1-249-358-11	CARBON MELF	82K	5%	1/8W
R730	1-249-341-11	CARBON MELF	3.3K	5%	1/8W
R731	1-249-341-11	CARBON MELF	3.3K	5%	1/8W
R732	1-249-360-11	CARBON MELF	120K	5%	1/8W
R733	1-249-359-11	CARBON MELF	100K	5%	1/8W
R734	1-216-074-00	METAL CHIP	11K	5%	1/10W
R735	1-249-335-11	CARBON MELF	1K	5%	1/8W
R736	1-249-409-11	CARBON	220	5%	1/4W
R737	1-249-407-11	CARBON	150	5%	1/4W
R739	1-249-423-11	CARBON	3.3K	5%	1/4W
R740	1-249-351-11	CARBON MELF	22K	5%	1/8W
R745	1-249-402-11	CARBON	56	5%	1/4W
R746	1-249-326-11	CARBON MELF	180	5%	1/8W
R749	1-249-347-11	CARBON MELF	10K	5%	1/8W
R750	1-216-024-00	METAL GLAZE	91	5%	1/10W
R751	1-249-352-11	CARBON MELF	27K	5%	1/8W
R752	1-249-355-11	CARBON MELF	47K	5%	1/8W
R753	1-249-355-11	CARBON MELF	47K	5%	1/8W
R754	1-249-339-11	CARBON MELF	2.2K	5%	1/8W
R756	1-249-421-11	CARBON	2.2K	5%	1/4W
R757	1-249-346-11	CARBON MELF	8.2K	5%	1/8W
R758	1-249-341-11	CARBON MELF	3.3K	5%	1/8W
R760	1-249-347-11	CARBON MELF	10K	5%	1/8W
R761	1-249-437-11	CARBON	47K	5%	1/4W
R762	1-249-347-11	CARBON MELF	10K	5%	1/8W
R763	1-249-437-11	CARBON	47K	5%	1/4W
R764	1-249-355-11	CARBON MELF	47K	5%	1/8W
R765	1-249-355-11	CARBON MELF	47K	5%	1/8W
R766	1-249-340-11	CARBON MELF	2.7K	5%	1/8W
R767	1-249-346-11	CARBON MELF	8.2K	5%	1/8W
R768	1-216-074-00	METAL CHIP	11K	5%	1/10W
R769	1-249-344-11	CARBON MELF	5.6K	5%	1/8W
R770	1-249-347-11	CARBON MELF	10K	5%	1/8W
R771	1-249-355-11	CARBON MELF	47K	5%	1/8W
R772	1-249-347-11	CARBON MELF	10K	5%	1/8W
R773	1-249-355-11	CARBON MELF	47K	5%	1/8W
R774	1-249-355-11	CARBON MELF	47K	5%	1/8W
R775	1-249-355-11	CARBON MELF	47K	5%	1/8W
R776	1-249-340-11	CARBON MELF	2.7K	5%	1/8W
R777	1-249-346-11	CARBON MELF	8.2K	5%	1/8W
R778	1-216-074-00	METAL CHIP	11K	5%	1/10W
R779	1-249-344-11	CARBON MELF	5.6K	5%	1/8W
R780	1-216-052-00	METAL CHIP	1.3K	5%	1/10W
R781	1-216-052-00	METAL CHIP	1.3K	5%	1/10W
R782	1-249-349-11	CARBON MELF	15K	5%	1/8W
R783	1-249-349-11	CARBON MELF	15K	5%	1/8W
R785	1-249-329-11	CARBON MELF	330	5%	1/8W
R786	1-219-212-11	FUSIBLE	15	5%	1/8W
R787	1-249-347-11	CARBON MELF	10K	5%	1/8W
R788	1-249-335-11	CARBON MELF	1K	5%	1/8W
R789	1-249-347-11	CARBON MELF	10K	5%	1/8W
		< CONPOSITION CIRCUIT BLOCK >			
RB701	1-236-904-11	RESISTOR, NETWORK (CHIP TYPE)			
RB702	1-239-309-11	RESISTOR ARRAY, CHIP 100K			
		< VARIABLE RESISTOR >			
RV701	1-241-632-11	RES, ADJ, CARBON 47K			
RV702	1-241-632-11	RES, ADJ, CARBON 47K			
RV703	1-241-632-11	RES, ADJ, CARBON 47K			
RV704	1-241-632-11	RES, ADJ, CARBON 47K			
		< VIBRATOR >			
X701	1-579-345-11	VIBRATOR, CERAMIC (16.9344MHz)			
**********					
*	A-3262-677-A	CONTROL BOARD, COMPLETE			(CFD-757)
*	A-3262-678-A	CONTROL BOARD, COMPLETE			(CFD-767:EXCEPT AUS)
*	A-3262-979-A	CONTROL BOARD, COMPLETE			(AUS)
		**********			
*	1-644-518-11	LAMP BOARD			
		**********			
	1-696-061-11	WIRE, PARALLEL (FFC) (24 CORE)			
	3-379-933-01	ILLUMINATOR (51)			
	3-380-566-01	HOLDER, LCD			
	4-931-757-41	SCREW (DIA.2.6X10) (IT3B)			(CFD-767)

Ref. No.	Part No.	Description				Remark
	7-685-132-19	SCREW(DIA. 2. 6X5) (IT3B), TAPPING				(CFD-757)
		< CAPACITOR >				
C802	1-124-907-11	ELECT	10uF	20%	50V	
C803	1-162-306-11	CERAMIC	0. 01uF	20%	16V	
C804	1-124-442-00	ELECT	330uF	20%	6. 3V	
C805	1-162-207-31	CERAMIC	22PF	5%	50V	
C806	1-162-207-31	CERAMIC	22PF	5%	50V	
C808	1-162-306-11	CERAMIC	0. 01uF	20%	16V	
C809	1-162-306-11	CERAMIC	0. 01uF	20%	16V	
C810	1-162-306-11	CERAMIC	0. 01uF	20%	16V	
C811	1-162-306-11	CERAMIC	0. 01uF	20%	16V	
C812	1-162-306-11	CERAMIC	0. 01uF	20%	16V	
C813	1-162-306-11	CERAMIC	0. 01uF	20%	16V	
C814	1-162-306-11	CERAMIC	0. 01uF	20%	16V	
C816	1-161-494-00	CERAMIC	0. 022uF		25V	
C817	1-124-034-51	ELECT	33uF	20%	16V	(CFD-767)
C818	1-162-284-31	CERAMIC	150PF	10%	50V	
C819	1-162-284-31	CERAMIC	150PF	10%	50V	
C820	1-162-284-31	CERAMIC	150PF	10%	50V	(CFD-767)
C821	1-162-284-31	CERAMIC	150PF	10%	50V	
C822	1-162-284-31	CERAMIC	150PF	10%	50V	
C823	1-161-494-00	CERAMIC	0. 022uF		25V	
C824	1-162-294-31	CERAMIC	0. 001uF	10%	50V	
C825	1-162-294-31	CERAMIC	0. 001uF	10%	50V	
C826	1-162-294-31	CERAMIC	0. 001uF	10%	50V	
C827	1-162-294-31	CERAMIC	0. 001uF	10%	50V	
C891	1-162-294-31	CERAMIC	0. 001uF	10%	50V	
C892	1-162-294-31	CERAMIC	0. 001uF	10%	50V	
		< CONNECTOR >				
CN801	1-580-368-11	HOUSING, CONNECTOR(PC BOARD)				12P
CN802	1-580-368-11	HOUSING, CONNECTOR(PC BOARD)				12P
CN803	1-580-368-11	HOUSING, CONNECTOR(PC BOARD)				12P
* CN804	1-564-771-11	CONNECTOR				
CN806	1-563-627-11	CONNECTOR, FLEXIBLE 24P				
		< DIODE >				
D801	8-719-911-19	DIODE	1SS119			
D802	8-719-987-04	LED	SLR-34VRF39			(CFD-767)
D803	8-719-987-04	LED	SLR-34VRF39			(CFD-767)
D804	8-719-987-04	LED	SLR-34VRF39	(OPR/BATT)		
D805	8-719-987-04	LED	SLR-34VRF39	(STANDBY)		(AUS)
D806	8-719-911-19	DIODE	1SS119			
		< IC >				
IC801	8-752-838-61	IC	CXP50716-041Q			
IC802	8-759-076-13	IC	KIA7027P/F-TP			

Ref. No.	Part No.	Description				Remark
IC805	8-741-100-47	IC	SBX1610-09			
		< COIL >				
L801	1-410-521-11	INDUCTOR	100uH			
L802	1-408-417-00	INDUCTOR	47uH			
L803	1-408-417-00	INDUCTOR	47uH			
L891	1-410-314-11	INDUCTOR	0. 47uH			
		< LIQUID CRYSTAL DISPLAY >				
LCD801	1-809-729-11	DISPLAY PANEL, LIQUID CRYSTAL				
		< PILOT LAMP >				
LP801	1-518-688-11	LAMP, PILOT				
LP802	1-518-688-11	LAMP, PILOT				
LP803	1-518-688-11	LAMP, PILOT				
LP804	1-518-688-11	LAMP, PILOT				
LP805	1-518-688-11	LAMP, PILOT				
		< TRANSISTOR >				
Q801	8-729-119-76	TRANSISTOR	2SA1175-HFE			
Q803	8-729-905-50	TRANSISTOR	DTC343TS			(AUS)
Q804	8-729-806-30	TRANSISTOR	2SC4048			
Q805	8-729-806-30	TRANSISTOR	2SC4048			
Q806	8-729-806-30	TRANSISTOR	2SC4048			(CFD-767)
Q807	8-729-806-30	TRANSISTOR	2SC4048			(CFD-767)
Q808	8-729-806-30	TRANSISTOR	2SC4048			
Q809	8-729-806-30	TRANSISTOR	2SC4048			
		< RESISTOR >				
R801	1-249-437-11	CARBON	47K	5%	1/4W	
R802	1-249-437-11	CARBON	47K	5%	1/4W	
R803	1-249-437-11	CARBON	47K	5%	1/4W	
R804	1-249-437-11	CARBON	47K	5%	1/4W	
R805	1-249-405-11	CARBON	100	5%	1/4W	
R806	1-249-441-11	CARBON	100K	5%	1/4W	
R807	1-249-417-11	CARBON	1K	5%	1/4W	
R808	1-249-441-11	CARBON	100K	5%	1/4W	
R809	1-249-423-11	CARBON	3. 3K	5%	1/4W	
R810	1-247-891-00	CARBON	330K	5%	1/4W	
R811	1-249-429-11	CARBON	10K	5%	1/4W	
R812	1-249-429-11	CARBON	10K	5%	1/4W	
R813	1-249-429-11	CARBON	10K	5%	1/4W	
R814	1-249-429-11	CARBON	10K	5%	1/4W	
R815	1-249-417-11	CARBON	1K	5%	1/4W	
R816	1-249-417-11	CARBON	1K	5%	1/4W	
R817	1-249-429-11	CARBON	10K	5%	1/4W	
R818	1-249-429-11	CARBON	10K	5%	1/4W	
R819	1-249-429-11	CARBON	10K	5%	1/4W	
R820	1-249-417-11	CARBON	1K	5%	1/4W	

CONTROL LAMP

Ref. No.	Part No.	Description				Remark
R821	1-249-417-11	CARBON	1K	5%	1/4W	
R822	1-249-417-11	CARBON	1K	5%	1/4W	
R823	1-249-417-11	CARBON	1K	5%	1/4W	
R824	1-249-417-11	CARBON	1K	5%	1/4W	
R825	1-249-417-11	CARBON	1K	5%	1/4W	
R826	1-249-417-11	CARBON	1K	5%	1/4W	
R827	1-249-417-11	CARBON	1K	5%	1/4W	
R828	1-249-417-11	CARBON	1K	5%	1/4W	
R829	1-249-425-11	CARBON	4.7K	5%	1/4W	
R830	1-249-418-11	CARBON	1.2K	5%	1/4W	
R831	1-249-420-11	CARBON	1.8K	5%	1/4W	
R832	1-249-423-11	CARBON	3.3K	5%	1/4W	
R833	1-249-428-11	CARBON	8.2K	5%	1/4W	
R834	1-249-417-11	CARBON	1K	5%	1/4W	
R835	1-249-425-11	CARBON	4.7K	5%	1/4W	
R836	1-249-418-11	CARBON	1.2K	5%	1/4W	
R837	1-249-420-11	CARBON	1.8K	5%	1/4W	
R838	1-249-423-11	CARBON	3.3K	5%	1/4W	
R839	1-249-428-11	CARBON	8.2K	5%	1/4W	
R840	1-249-417-11	CARBON	1K	5%	1/4W	
R841	1-249-425-11	CARBON	4.7K	5%	1/4W	
R842	1-249-418-11	CARBON	1.2K	5%	1/4W	
R843	1-249-420-11	CARBON	1.8K	5%	1/4W	
R844	1-249-423-11	CARBON	3.3K	5%	1/4W	
R845	1-249-428-11	CARBON	8.2K	5%	1/4W	
R846	1-249-417-11	CARBON	1K	5%	1/4W	
R847	1-249-425-11	CARBON	4.7K	5%	1/4W	
R848	1-249-418-11	CARBON	1.2K	5%	1/4W	
R849	1-249-420-11	CARBON	1.8K	5%	1/4W	
R850	1-249-423-11	CARBON	3.3K	5%	1/4W	
R851	1-249-428-11	CARBON	8.2K	5%	1/4W	
R852	1-249-425-11	CARBON	4.7K	5%	1/4W	
R853	1-249-425-11	CARBON	4.7K	5%	1/4W	
R854	1-249-431-11	CARBON	15K	5%	1/4W	(AUS)
R855	1-249-433-11	CARBON	22K	5%	1/4W	
R856	1-249-418-11	CARBON	1.2K	5%	1/4W	
R857	1-249-420-11	CARBON	1.8K	5%	1/4W	
R858	1-249-419-11	CARBON	1.5K	5%	1/4W	
R859	1-249-425-11	CARBON	4.7K	5%	1/4W	
R860	1-249-418-11	CARBON	1.2K	5%	1/4W	
R861	1-249-420-11	CARBON	1.8K	5%	1/4W	
R862	1-249-430-11	CARBON	12K	5%	1/4W	
R864	1-249-419-11	CARBON	1.5K	5%	1/4W	
R865	1-249-418-11	CARBON	1.2K	5%	1/4W	(CFD-767)
R866	1-249-418-11	CARBON	1.2K	5%	1/4W	(CFD-767)
R867	1-249-417-11	CARBON	1K	5%	1/4W	
R868	1-249-410-11	CARBON	270	5%	1/4W	(CFD-767)
R869	1-249-410-11	CARBON	270	5%	1/4W	(CFD-767)
R870	1-249-417-11	CARBON	1K	5%	1/4W	
R871	1-249-429-11	CARBON	10K	5%	1/4W	
R872	1-249-429-11	CARBON	10K	5%	1/4W	
R873	1-249-429-11	CARBON	10K	5%	1/4W	
R874	1-249-441-11	CARBON	100K	5%	1/4W	
R875	1-249-441-11	CARBON	100K	5%	1/4W	
R876	1-249-410-11	CARBON	270	5%	1/4W	(AUS)
R877	1-249-418-11	CARBON	1.2K	5%	1/4W	(AUS)
R878	1-249-441-11	CARBON	100K	5%	1/4W	
R879	1-249-441-11	CARBON	100K	5%	1/4W	
R880	1-249-417-11	CARBON	1K	5%	1/4W	
R881	1-249-417-11	CARBON	1K	5%	1/4W	
R882	1-249-437-11	CARBON	47K	5%	1/4W	
R883	1-249-410-11	CARBON	270	5%	1/4W	
R884	1-249-418-11	CARBON	1.2K	5%	1/4W	
R888	1-249-417-11	CARBON	1K	5%	1/4W	(US, CND)

< SWITCH >

S801	1-572-199-11	SWITCH, KEY BOARD (VOL-)
S802	1-572-199-11	SWITCH, KEY BOARD (⏮)
S803	1-572-199-11	SWITCH, KEY BOARD (⏭)
S804	1-572-199-11	SWITCH, KEY BOARD (TUN-)
S805	1-572-199-11	SWITCH, KEY BOARD (TUN+)
S806	1-572-199-11	SWITCH, KEY BOARD (VOL+)
S807	1-572-199-11	SWITCH, KEY BOARD (BAND)
S808	1-572-199-11	SWITCH, KEY BOARD (PRESET+)
S809	1-572-199-11	SWITCH, KEY BOARD (ENT/MEM)
S810	1-572-199-11	SWITCH, KEY BOARD (SOUND)
S811	1-572-199-11	SWITCH, KEY BOARD (■)
S812	1-572-199-11	SWITCH, KEY BOARD (⏯)
S813	1-572-199-11	SWITCH, KEY BOARD (MODE)
S814	1-572-199-11	SWITCH, KEY BOARD (EDIT)
S816	1-572-199-11	SWITCH, KEY BOARD (POWER)
S817	1-572-199-11	SWITCH, KEY BOARD (CLOCK)
S818	1-572-199-11	SWITCH, KEY BOARD (TIMER)
S819	1-572-199-11	SWITCH, KEY BOARD (STAND BY)
S820	1-572-199-11	SWITCH, KEY BOARD (SLEEP)
S824	1-572-199-11	SWITCH, KEY BOARD (CD)
S825	1-572-199-11	SWITCH, KEY BOARD (TAPE/DUB)
S826	1-572-199-11	SWITCH, KEY BOARD (RADIO)
S827	1-572-199-11	SWITCH, KEY BOARD (PRESET-)

< VIBRATOR >

X801	1-567-775-11	VIBRATOR, CERAMIC (4.19MHz)
X802	1-567-098-00	OSCILLATOR, CRYSTAL (32.768kHz)

****

Ref. No.	Part No.	Description			Remark
*	1-645-055-11	HEAD RELAY BOARD (CFD-767:NEW TYPE)			
		**********			
		< CONNECTOR >			
CN1	1-566-004-11	PIN, CONNECTOR (PC BOARD) 7P			
CN2	1-695-017-11	HOUSING, CONNECTOR 7P			
**********					
*	1-644-414-11	H.P BOARD			
		*********			
		< CAPACITOR >			
C149	1-124-126-00	ELECT	47uF	20%	10V
C249	1-124-126-00	ELECT	47uF	20%	10V
C387	1-162-282-31	CERAMIC	100PF	10%	50V
		< CONNECTOR >			
* CNP314	1-565-484-11	CONNECTOR, BOARD TO BOARD 8P			
		< JACK >			
J350	1-563-330-11	JACK (MIX MIC)			
J351	1-568-267-11	JACK (HEADPHONES)			
		< RESISTOR >			
R150	1-249-409-11	CARBON	220	5%	1/4W
R250	1-249-409-11	CARBON	220	5%	1/4W
**********					
*	1-644-421-11	LEAF (45) BOARD			(CFD-757)
		**********			
		< CONNECTOR >			
CN607	1-562-087-00	SOCKET, CONNECTOR 4P			(CFD-757)
		< SWITCH >			
S604	1-571-890-11	SWITCH, LEAF (PLAY)			
S605	1-571-890-11	SWITCH, LEAF (REC)			
S606	1-571-890-11	SWITCH, LEAF (MOTOR)			
**********					
*	1-644-420-11	LEAF (70) BOARD			(CFD-767)
		**********			
		< CONNECTOR >			
* CN606	1-561-651-00	SOCKET, CONNECTOR 7P			
* CN608	1-566-779-11	PIN, CONNECTOR (PC BOARD) 4P			

Ref. No.	Part No.	Description			Remark
		< SWITCH >			
S604	1-571-890-11	SWITCH, LEAF (MOTOR)			
S605	1-571-890-11	SWITCH, LEAF (REV)			
S606	1-571-890-11	SWITCH, LEAF (PLAY)			
S607	1-571-890-11	SWITCH, LEAF (FWD)			
**********					
*	A-3262-978-A	MAIN BOARD, COMPLETE			(AUS, E)
		**********			
*	A-3275-489-A	MAIN BOARD, COMPLETE			(CFD-767:US, CND)
		**********			
*	A-3275-494-A	MAIN BOARD, COMPLETE			(CFD-757)
		**********			
	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S			
		< CAPACITOR >			
C101	1-162-291-31	CERAMIC	560PF	10%	50V
C102	1-162-291-31	CERAMIC	560PF	10%	50V
C103	1-162-286-31	CERAMIC	220PF	10%	50V
C104	1-162-286-31	CERAMIC	220PF	10%	50V
C105	1-130-486-00	MYLAR	0.018uF	10%	50V
C106	1-124-477-11	ELECT	47uF	20%	25V
C107	1-162-294-31	CERAMIC	0.001uF	10%	50V
C108	1-162-294-31	CERAMIC	0.001uF	10%	50V
C109	1-162-294-31	CERAMIC	0.001uF	10%	50V
C110	1-124-477-11	ELECT	47uF	20%	25V
C111	1-124-903-11	ELECT	1uF	20%	50V
C112	1-124-903-11	ELECT	1uF	20%	50V
C114	1-124-903-11	ELECT	1uF	20%	50V
C115	1-161-374-11	CERAMIC	0.0015uF	20%	50V
C116	1-162-286-31	CERAMIC	220PF	10%	50V
C117	1-162-290-31	CERAMIC	470PF	10%	50V
C121	1-124-927-11	ELECT	4.7uF	20%	100V
C122	1-124-927-11	ELECT	4.7uF	20%	100V
C123	1-124-927-11	ELECT	4.7uF	20%	100V
C124	1-162-282-31	CERAMIC	100PF	10%	50V
C125	1-124-902-00	ELECT	0.47uF	20%	50V
C126	1-161-053-00	CERAMIC	0.015uF	10%	50V
C127	1-161-374-11	CERAMIC	0.0015uF	20%	50V
C131	1-124-927-11	ELECT	4.7uF	20%	100V
C132	1-162-282-31	CERAMIC	100PF	10%	50V
C133	1-161-772-11	CERAMIC	0.1uF	10%	25V
C134	1-161-377-00	CERAMIC	0.0047uF	30%	16V
C135	1-124-902-00	ELECT	0.47uF	20%	50V
C136	1-124-903-11	ELECT	1uF	20%	50V
C137	1-124-927-11	ELECT	4.7uF	20%	100V
C138	1-124-927-11	ELECT	4.7uF	20%	100V
C139	1-162-294-31	CERAMIC	0.001uF	10%	50V
C140	1-162-282-31	CERAMIC	100PF	10%	50V

MAIN

Ref. No.	Part No.	Description			Remark
C141	1-162-294-31	CERAMIC	0.001uF	10%	50V
C142	1-124-443-00	ELECT	100uF	20%	10V
C143	1-136-165-00	FILM	0.1uF	5%	50V
C144	1-130-489-00	MYLAR	0.033uF	5%	50V
C145	1-130-489-00	MYLAR	0.033uF	5%	50V
C146	1-124-443-00	ELECT	100uF	20%	10V
C147	1-124-443-00	ELECT	100uF	20%	10V
C160	1-162-282-31	CERAMIC	100PF	10%	50V
C191	1-162-282-31	CERAMIC	100PF	10%	50V
C201	1-162-291-31	CERAMIC	560PF	10%	50V
C202	1-162-291-31	CERAMIC	560PF	10%	50V
C203	1-162-286-31	CERAMIC	220PF	10%	50V
C204	1-162-286-31	CERAMIC	220PF	10%	50V
C205	1-130-486-00	MYLAR	0.018uF	10%	50V
C206	1-124-477-11	ELECT	47uF	20%	25V
C207	1-162-294-31	CERAMIC	0.001uF	10%	50V
C208	1-162-294-31	CERAMIC	0.001uF	10%	50V
C209	1-162-294-31	CERAMIC	0.001uF	10%	50V
C210	1-124-477-11	ELECT	47uF	20%	25V
C211	1-124-903-11	ELECT	1uF	20%	50V
C212	1-124-903-11	ELECT	1uF	20%	50V
C214	1-124-903-11	ELECT	1uF	20%	50V
C215	1-161-374-11	CERAMIC	0.0015uF	20%	50V
C216	1-162-286-31	CERAMIC	220PF	10%	50V
C217	1-162-290-31	CERAMIC	470PF	10%	50V
C221	1-124-927-11	ELECT	4.7uF	20%	100V
C222	1-124-927-11	ELECT	4.7uF	20%	100V
C223	1-124-927-11	ELECT	4.7uF	20%	100V
C224	1-162-282-31	CERAMIC	100PF	10%	50V
C225	1-124-902-00	ELECT	0.47uF	20%	50V
C226	1-161-053-00	CERAMIC	0.015uF	10%	50V
C227	1-161-374-11	CERAMIC	0.0015uF	20%	50V
C231	1-124-927-11	ELECT	4.7uF	20%	100V
C232	1-162-282-31	CERAMIC	100PF	10%	50V
C233	1-161-772-11	CERAMIC	0.1uF	10%	25V
C234	1-161-377-00	CERAMIC	0.0047uF	30%	16V
C235	1-124-902-00	ELECT	0.47uF	20%	50V
C236	1-124-903-11	ELECT	1uF	20%	50V
C237	1-124-927-11	ELECT	4.7uF	20%	100V
C238	1-124-927-11	ELECT	4.7uF	20%	100V
C239	1-162-294-31	CERAMIC	0.001uF	10%	50V
C240	1-162-282-31	CERAMIC	100PF	10%	50V
C241	1-162-294-31	CERAMIC	0.001uF	10%	50V
C242	1-124-443-00	ELECT	100uF	20%	10V
C243	1-136-165-00	FILM	0.1uF	5%	50V
C244	1-130-489-00	MYLAR	0.033uF	5%	50V
C245	1-130-489-00	MYLAR	0.033uF	5%	50V
C246	1-124-443-00	ELECT	100uF	20%	10V

Ref. No.	Part No.	Description			Remark
C247	1-124-443-00	ELECT	100uF	20%	10V
C260	1-162-282-31	CERAMIC	100PF	10%	50V
C291	1-162-282-31	CERAMIC	100PF	10%	50V
C301	1-124-917-11	ELECT	33uF	20%	63V
C302	1-124-443-00	ELECT	100uF	20%	10V
C303	1-126-101-11	ELECT	100uF	20%	16V
C304	1-124-120-11	ELECT	220uF	20%	25V
C305	1-124-925-11	ELECT	2.2uF	20%	100V
C306	1-124-917-11	ELECT	33uF	20%	63V
C307	1-124-443-00	ELECT	100uF	20%	10V
C309	1-124-907-11	ELECT	10uF	20%	50V
C311	1-130-481-00	MYLAR	0.0068uF	5%	50V
C312	1-130-483-00	MYLAR	0.01uF	5%	50V
C313	1-124-907-11	ELECT	10uF	20%	50V
C314	1-124-907-11	ELECT	10uF	20%	50V
C315	1-161-377-00	CERAMIC	0.0047uF	30%	16V
C316	1-130-482-00	MYLAR	0.0082uF	5%	50V
C317	1-130-476-00	MYLAR	0.0027uF	5%	50V
C318	1-130-467-00	MYLAR	470PF	5%	50V
C319	1-130-472-00	MYLAR	0.0012uF	5%	50V
C320	1-101-004-00	CERAMIC	0.01uF		50V
C321	1-162-282-31	CERAMIC	100PF	10%	50V
C322	1-162-306-11	CERAMIC	0.01uF	20%	16V
C323	1-124-907-11	ELECT	10uF	20%	50V
C324	1-162-306-11	CERAMIC	0.01uF	20%	16V
C325	1-124-907-11	ELECT	10uF	20%	50V
C326	1-162-211-31	CERAMIC	33PF	5%	50V
C328	1-124-477-11	ELECT	47uF	20%	25V
C331	1-124-902-00	ELECT	0.47uF	20%	50V
C332	1-162-294-31	CERAMIC	0.001uF	10%	50V
C333	1-124-903-11	ELECT	1uF	20%	50V
C334	1-162-291-31	CERAMIC	560PF	10%	50V
C336	1-124-910-11	ELECT	47uF	20%	50V
C337	1-162-282-31	CERAMIC	100PF	10%	50V
C339	1-124-477-11	ELECT	47uF	20%	25V
C340	1-124-477-11	ELECT	47uF	20%	25V
C341	1-124-917-11	ELECT	33uF	20%	63V
C342	1-124-477-11	ELECT	47uF	20%	25V
C343	1-124-477-11	ELECT	47uF	20%	25V
C344	1-124-917-11	ELECT	33uF	20%	63V
C345	1-124-917-11	ELECT	33uF	20%	63V
C346	1-124-477-11	ELECT	47uF	20%	25V
C347	1-124-120-11	ELECT	220uF	20%	25V
C348	1-124-477-11	ELECT	47uF	20%	25V
C349	1-124-917-11	ELECT	33uF	20%	63V
C350	1-124-443-00	ELECT	100uF	20%	10V
C352	1-124-477-11	ELECT	47uF	20%	25V
C353	1-161-772-11	CERAMIC	0.1uF	10%	25V
C354	1-162-306-11	CERAMIC	0.01uF	20%	16V

Ref. No.	Part No.	Description			Remark
C355	1-136-173-00	FILM	0.47uF	5%	50V
C356	1-124-120-11	ELECT	220uF	20%	25V
C357	1-124-604-00	ELECT	330uF	20%	10V
C358	1-124-120-11	ELECT	220uF	20%	25V
C359	1-162-306-11	CERAMIC	0.01uF	20%	16V
C360	1-124-443-00	ELECT	100uF	20%	10V
C361	1-162-306-11	CERAMIC	0.01uF	20%	16V
C362	1-124-907-11	ELECT	10uF	20%	50V
C363	1-124-907-11	ELECT	10uF	20%	50V
C364	1-124-120-11	ELECT	220uF	20%	25V
C365	1-126-101-11	ELECT	100uF	20%	16V
C366	1-162-306-11	CERAMIC	0.01uF	20%	16V
C367	1-162-306-11	CERAMIC	0.01uF	20%	16V
C368	1-162-306-11	CERAMIC	0.01uF	20%	16V
C369	1-124-480-11	ELECT	470uF	20%	25V
C370	1-124-477-11	ELECT	47uF	20%	25V
C371	1-124-480-11	ELECT	470uF	20%	25V
C375	1-162-282-31	CERAMIC	100PF	10%	50V
C376	1-162-282-31	CERAMIC	100PF	10%	50V
C377	1-162-282-31	CERAMIC	100PF	10%	50V
C378	1-162-282-31	CERAMIC	100PF	10%	50V
C379	1-162-282-31	CERAMIC	100PF	10%	50V
C382	1-124-120-11	ELECT	220uF	20%	25V
C386	1-124-907-11	ELECT	10uF	20%	50V
C389	1-162-289-31	CERAMIC	390PF	10%	50V
C390	1-161-494-00	CERAMIC	0.022uF		25V
C391	1-162-282-31	CERAMIC	100PF	10%	50V
C392	1-161-039-00	CERAMIC	0.001uF	10%	50V
C394	1-126-233-11	ELECT	22uF	20%	50V (AUS)
C395	1-124-907-11	ELECT	10uF	20%	50V
C396	1-136-173-00	FILM	0.47uF	5%	50V

< CONNECTOR >

* CN301	1-580-369-11	PIN, CONNECTOR (PC BOARD) 12P	
* CN302	1-580-369-11	PIN, CONNECTOR (PC BOARD) 12P	
* CN303	1-580-369-11	PIN, CONNECTOR (PC BOARD) 12P	
* CN304	1-563-594-11	CONNECTOR, FLEXIBLE 17P	
* CN306	1-506-986-11	PIN, CONNECTOR (PC BOARD) 4P	
* CN307	1-506-990-11	PIN, CONNECTOR (PC BOARD) 8P	
* CN308	1-565-485-11	CONNECTOR, BOARD TO BOARD 9P	
* CN309	1-506-709-11	PLUG, CONNECTOR (2.5MM) 7P	(CFD-767)
CN310	1-562-088-00	SOCKET, CONNECTOR 9P	
* CN311	1-506-709-11	PLUG, CONNECTOR (2.5MM) 7P	
* CN312	1-506-987-11	PIN, CONNECTOR (PC BOARD) 5P	

Ref. No.	Part No.	Description		Remark

< DIODE >

D101	8-719-911-19	DIODE	1SS119	
D201	8-719-911-19	DIODE	1SS119	
D303	8-719-911-19	DIODE	1SS119	
D304	8-719-911-19	DIODE	1SS119	
D305	8-719-911-19	DIODE	1SS119	
D306	8-719-110-08	DIODE	RD8.2ES-B2	
D307	8-719-911-19	DIODE	1SS119	
D308	8-719-911-19	DIODE	1SS119	
D309	8-719-911-19	DIODE	1SS119	
D310	8-719-911-19	DIODE	1SS119	
D311	8-719-110-08	DIODE	RD8.2ES-B2	
D312	8-719-110-08	DIODE	RD8.2ES-B2	
D313	8-719-982-15	DIODE	MTZJ-27B	
D330	8-719-911-19	DIODE	1SS119	
D334	8-719-200-02	DIODE	10E2	
D335	8-719-200-02	DIODE	10E2	
D336	8-719-911-19	DIODE	1SS119	
D337	8-719-911-19	DIODE	1SS119	
D338	8-719-911-19	DIODE	1SS119	

< IC >

IC301	8-759-143-54	IC	uPC1330HA	
IC302	8-759-242-58	IC	TA8189N	
IC303	8-759-068-07	IC	CD4052BCN	
IC304	1-807-547-11	IC	MC4558-C	
IC305	8-759-076-14	IC	KIA324P	
IC306	8-759-060-74	IC	TC9213P	
IC307	8-759-822-51	IC	LA4620	
IC308	8-759-060-73	IC	NJU3713D	
IC309	8-759-996-77	IC	BA3924	
IC310	8-759-971-11	IC	PST529D	
IC311	8-759-912-55	IC	S-81250HG	
IC312	8-759-912-55	IC	S-81250HG	

< JACK >

* J301	1-536-708-41	TERMINAL BOARD, PUSH 4P	

< COIL >

L101	1-410-776-11	INDUCTOR	12mH	
L201	1-410-776-11	INDUCTOR	12mH	
L301	1-410-686-11	INDUCTOR	1mH	
L302	1-410-509-11	INDUCTOR	10uH	
L303	1-410-521-11	INDUCTOR	100uH	
L304	1-410-521-11	INDUCTOR	100uH	
L307	1-410-521-11	INDUCTOR	100uH	
L309	1-410-521-11	INDUCTOR	100uH	(US, CND)

MAIN

Ref. No.	Part No.	Description				Remark
		< TRANSISTOR >				
Q101	8-729-806-30	TRANSISTOR	2SC4048			
Q103	8-729-806-30	TRANSISTOR	2SC4048			
Q104	8-729-806-30	TRANSISTOR	2SC4048			
Q105	8-729-806-30	TRANSISTOR	2SC4048			
Q106	8-729-806-30	TRANSISTOR	2SC4048			
Q107	8-729-806-30	TRANSISTOR	2SC4048			
Q108	8-729-806-30	TRANSISTOR	2SC4048			
Q109	8-729-016-42	TRANSISTOR	KTC3199GR-TP			
Q110	8-729-119-78	TRANSISTOR	2SC2785-HFE			
Q201	8-729-806-30	TRANSISTOR	2SC4048			
Q203	8-729-806-30	TRANSISTOR	2SC4048			
Q204	8-729-806-30	TRANSISTOR	2SC4048			
Q205	8-729-806-30	TRANSISTOR	2SC4048			
Q206	8-729-806-30	TRANSISTOR	2SC4048			
Q207	8-729-806-30	TRANSISTOR	2SC4048			
Q208	8-729-806-30	TRANSISTOR	2SC4048			
Q209	8-729-016-42	TRANSISTOR	KTC3199GR-TP			
Q210	8-729-119-78	TRANSISTOR	2SC2785-HFE			
Q301	1-807-545-11	TRANSISTOR	KSC1008-Y			
Q302	8-729-806-30	TRANSISTOR	2SC4048			
Q303	8-729-806-30	TRANSISTOR	2SC4048			
Q304	8-729-119-78	TRANSISTOR	2SC2785-HFE			
Q305	8-729-119-78	TRANSISTOR	2SC2785-HFE			
Q306	8-729-806-30	TRANSISTOR	2SC4048			
Q307	8-729-924-90	TRANSISTOR	2SB1370-EF			
Q308	8-729-902-80	TRANSISTOR	DTA114YS			
Q309	8-729-806-30	TRANSISTOR	2SC4048			
Q310	8-729-902-80	TRANSISTOR	DTA114YS			
Q311	8-729-902-80	TRANSISTOR	DTA114YS			
Q312	8-729-806-30	TRANSISTOR	2SC4048			
Q313	8-729-209-15	TRANSISTOR	2SD2012			
Q314	8-729-801-84	TRANSISTOR	2SB1013-4			
Q315	8-729-806-30	TRANSISTOR	2SC4048			
Q316	8-729-806-30	TRANSISTOR	2SC4048			
Q317	8-729-806-30	TRANSISTOR	2SC4048			
Q318	8-729-902-80	TRANSISTOR	DTA114YS			
Q322	8-729-119-76	TRANSISTOR	2SA1175-HFE			
Q333	8-729-904-39	TRANSISTOR	DTC114TS			
		< RESISTOR >				
R101	1-249-417-11	CARBON	1K	5%	1/4W	
R102	1-249-417-11	CARBON	1K	5%	1/4W	
R103	1-249-405-11	CARBON	100	5%	1/4W	
R104	1-247-885-00	CARBON	180K	5%	1/4W	
R105	1-249-427-11	CARBON	6.8K	5%	1/4W	
R106	1-249-427-11	CARBON	6.8K	5%	1/4W	
R107	1-247-885-00	CARBON	180K	5%	1/4W	
R108	1-247-890-11	CARBON	300K	5%	1/4W	
R109	1-249-407-11	CARBON	150	5%	1/4W	
R110	1-249-429-11	CARBON	10K	5%	1/4W	
R111	1-249-418-11	CARBON	1.2K	5%	1/4W	
R112	1-249-405-11	CARBON	100	5%	1/4W	
R113	1-247-846-11	CARBON	4.3K	5%	1/4W	
R114	1-249-420-11	CARBON	1.8K	5%	1/4W	
R115	1-249-421-11	CARBON	2.2K	5%	1/4W	
R116	1-249-419-11	CARBON	1.5K	5%	1/4W	
R117	1-249-437-11	CARBON	47K	5%	1/4W	
R118	1-249-428-11	CARBON	8.2K	5%	1/4W	
R119	1-249-423-11	CARBON	3.3K	5%	1/4W	
R121	1-249-437-11	CARBON	47K	5%	1/4W	
R122	1-249-419-11	CARBON	1.5K	5%	1/4W	
R123	1-247-856-00	CARBON	11K	5%	1/4W	
R124	1-249-419-11	CARBON	1.5K	5%	1/4W	
R125	1-249-431-11	CARBON	15K	5%	1/4W	
R126	1-247-881-00	CARBON	120K	5%	1/4W	
R127	1-249-429-11	CARBON	10K	5%	1/4W	
R128	1-249-425-11	CARBON	4.7K	5%	1/4W	
R129	1-249-429-11	CARBON	10K	5%	1/4W	
R131	1-249-433-11	CARBON	22K	5%	1/4W	
R132	1-249-431-11	CARBON	15K	5%	1/4W	
R133	1-247-895-00	CARBON	470K	5%	1/4W	
R134	1-247-895-00	CARBON	470K	5%	1/4W	
R135	1-247-895-00	CARBON	470K	5%	1/4W	
R136	1-249-433-11	CARBON	22K	5%	1/4W	
R137	1-249-430-11	CARBON	12K	5%	1/4W	
R138	1-249-429-11	CARBON	10K	5%	1/4W	
R139	1-249-429-11	CARBON	10K	5%	1/4W	
R141	1-247-903-00	CARBON	1M	5%	1/4W	
R142	1-247-903-00	CARBON	1M	5%	1/4W	
R143	1-247-887-00	CARBON	220K	5%	1/4W	
R144	1-249-418-11	CARBON	1.2K	5%	1/4W	
R146	1-249-421-11	CARBON	2.2K	5%	1/4W	
R147	1-249-417-11	CARBON	1K	5%	1/4W	
R148	1-249-385-11	CARBON	2.2	5%	1/6W	
R149	1-249-385-11	CARBON	2.2	5%	1/6W	
R151	1-249-425-11	CARBON	4.7K	5%	1/4W	
R161	1-249-441-11	CARBON	100K	5%	1/4W	
R201	1-249-417-11	CARBON	1K	5%	1/4W	
R202	1-249-417-11	CARBON	1K	5%	1/4W	
R203	1-249-405-11	CARBON	100	5%	1/4W	
R204	1-247-885-00	CARBON	180K	5%	1/4W	
R205	1-249-427-11	CARBON	6.8K	5%	1/4W	
R206	1-249-427-11	CARBON	6.8K	5%	1/4W	
R207	1-247-885-00	CARBON	180K	5%	1/4W	
R208	1-247-890-11	CARBON	300K	5%	1/4W	
R209	1-249-407-11	CARBON	150	5%	1/4W	

Ref. No.	Part No.	Description				Remark
R210	1-249-429-11	CARBON	10K	5%	1/4W	
R211	1-249-418-11	CARBON	1.2K	5%	1/4W	
R212	1-249-405-11	CARBON	100	5%	1/4W	
R213	1-247-846-11	CARBON	4.3K	5%	1/4W	
R214	1-249-420-11	CARBON	1.8K	5%	1/4W	
R215	1-249-421-11	CARBON	2.2K	5%	1/4W	
R216	1-249-419-11	CARBON	1.5K	5%	1/4W	
R217	1-249-437-11	CARBON	47K	5%	1/4W	
R218	1-249-428-11	CARBON	8.2K	5%	1/4W	
R219	1-249-423-11	CARBON	3.3K	5%	1/4W	
R221	1-249-437-11	CARBON	47K	5%	1/4W	
R222	1-249-419-11	CARBON	1.5K	5%	1/4W	
R223	1-247-856-00	CARBON	11K	5%	1/4W	
R224	1-249-419-11	CARBON	1.5K	5%	1/4W	
R225	1-249-431-11	CARBON	15K	5%	1/4W	
R226	1-247-881-00	CARBON	120K	5%	1/4W	
R227	1-249-429-11	CARBON	10K	5%	1/4W	
R228	1-249-425-11	CARBON	4.7K	5%	1/4W	
R229	1-249-429-11	CARBON	10K	5%	1/4W	
R231	1-249-433-11	CARBON	22K	5%	1/4W	
R232	1-249-431-11	CARBON	15K	5%	1/4W	
R233	1-247-895-00	CARBON	470K	5%	1/4W	
R234	1-247-895-00	CARBON	470K	5%	1/4W	
R235	1-247-895-00	CARBON	470K	5%	1/4W	
R236	1-249-433-11	CARBON	22K	5%	1/4W	
R237	1-249-430-11	CARBON	12K	5%	1/4W	
R238	1-249-429-11	CARBON	10K	5%	1/4W	
R239	1-249-429-11	CARBON	10K	5%	1/4W	
R241	1-247-903-00	CARBON	1M	5%	1/4W	
R242	1-247-903-00	CARBON	1M	5%	1/4W	
R243	1-247-887-00	CARBON	220K	5%	1/4W	
R244	1-249-418-11	CARBON	1.2K	5%	1/4W	
R246	1-249-421-11	CARBON	2.2K	5%	1/4W	
R247	1-249-417-11	CARBON	1K	5%	1/4W	
R248	1-249-385-11	CARBON	2.2	5%	1/6W	
R249	1-249-385-11	CARBON	2.2	5%	1/6W	
R251	1-249-425-11	CARBON	4.7K	5%	1/4W	(CFD-767)
R261	1-249-441-11	CARBON	100K	5%	1/4W	
R300	1-249-423-11	CARBON	3.3K	5%	1/4W	
R302	1-249-405-11	CARBON	100	5%	1/4W	
R303	1-249-429-11	CARBON	10K	5%	1/4W	
R304	1-249-423-11	CARBON	3.3K	5%	1/4W	
R305	1-249-429-11	CARBON	10K	5%	1/4W	
R306	1-249-429-11	CARBON	10K	5%	1/4W	
R307	1-249-405-11	CARBON	100	5%	1/4W	
R308	1-247-903-00	CARBON	1M	5%	1/4W	
R309	1-249-417-11	CARBON	1K	5%	1/4W	
R310	1-249-425-11	CARBON	4.7K	5%	1/4W	
R311	1-249-425-11	CARBON	4.7K	5%	1/4W	

Ref. No.	Part No.	Description				Remark
R313	1-249-393-11	CARBON	10	5%	1/4W	
R314	1-249-401-11	CARBON	47	5%	1/4W	
R315	1-249-429-11	CARBON	10K	5%	1/4W	
R316	1-249-393-11	CARBON	10	5%	1/4W	
R317	1-249-423-11	CARBON	3.3K	5%	1/4W	
R318	1-249-440-11	CARBON	82K	5%	1/4W	
R319	1-249-437-11	CARBON	47K	5%	1/4W	
R320	1-249-441-11	CARBON	100K	5%	1/4W	
R321	1-249-405-11	CARBON	100	5%	1/4W	
R324	1-249-405-11	CARBON	100	5%	1/4W	
R325	1-249-425-11	CARBON	4.7K	5%	1/4W	
R325	1-249-405-11	CARBON	100	5%	1/4W	(AUS)
R326	1-249-417-11	CARBON	1K	5%	1/4W	
R327	1-249-437-11	CARBON	47K	5%	1/4W	
R328	1-249-429-11	CARBON	10K	5%	1/4W	
R330	1-249-437-11	CARBON	47K	5%	1/4W	
R331	1-249-437-11	CARBON	47K	5%	1/4W	
R332	1-249-437-11	CARBON	47K	5%	1/4W	
R333	1-249-401-11	CARBON	47	5%	1/4W	
R334	1-249-437-11	CARBON	47K	5%	1/4W	
R335	1-249-405-11	CARBON	100	5%	1/4W	
R336	1-249-425-11	CARBON	4.7K	5%	1/4W	
R337	1-249-425-11	CARBON	4.7K	5%	1/4W	
R338	1-249-429-11	CARBON	10K	5%	1/4W	
R339	1-249-429-11	CARBON	10K	5%	1/4W	
R340	1-249-429-11	CARBON	10K	5%	1/4W	
R341	1-249-429-11	CARBON	10K	5%	1/4W	
R342	1-249-429-11	CARBON	10K	5%	1/4W	
R344	1-249-405-11	CARBON	100	5%	1/4W	
R345	1-249-418-11	CARBON	1.2K	5%	1/4W	
R346	1-249-418-11	CARBON	1.2K	5%	1/4W	
R347	1-249-405-11	CARBON	100	5%	1/4W	
R349	1-249-429-11	CARBON	10K	5%	1/4W	
R351	1-247-883-00	CARBON	150K	5%	1/4W	
R352	1-249-418-11	CARBON	1.2K	5%	1/4W	
R353	1-249-425-11	CARBON	4.7K	5%	1/4W	
R354	1-249-414-11	CARBON	560	5%	1/4W	
⚠R355	1-219-149-11	FUSIBLE	1	5%	1/4W	F
R356	1-249-429-11	CARBON	10K	5%	1/4W	
R357	1-249-421-11	CARBON	2.2K	5%	1/4W	
R358	1-249-411-11	CARBON	330	5%	1/4W	
R359	1-247-887-00	CARBON	220K	5%	1/4W	
R360	1-247-895-00	CARBON	470K	5%	1/4W	
R365	1-249-405-11	CARBON	100	5%	1/4W	(AUS)
R381	1-249-437-11	CARBON	47K	5%	1/4W	
R382	1-249-421-11	CARBON	2.2K	5%	1/4W	
R391	1-249-429-11	CARBON	10K	5%	1/4W	
R392	1-249-417-11	CARBON	1K	5%	1/4W	
R393	1-249-429-11	CARBON	10K	5%	1/4W	

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MAIN | POWER | RELAY (45) | RELAY (70) | RELAY (H. M) | RELAY (TC. M) | RETAINER | SPEAKER (L)

Ref. No.	Part No.	Description	Remark
R394	1-249-437-11	CARBON 47K 5% 1/4W	
R395	1-249-429-11	CARBON 10K 5% 1/4W	
		< SWITCH >	
S301	1-571-307-11	SWITCH, SLIDE (ISS)	
		< TRANSFORMER >	
T301	1-433-372-11	TRANSFORMER, BIAS OSCILLATION	
T302	1-450-126-11	TRANSFORMER, DC-DC CONVERTER	
**********			
*	1-644-418-11	POWER BOARD	
		**********	
	1-533-233-11	HOLDER, FUSE	
	3-379-748-01	SPRING (-)	
	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	(US, CND)
		< CAPACITOR >	
C901	1-101-005-00	CERAMIC 22000PF 50V	(US, CND)
C901	1-136-165-00	FILM 0.1uF 5% 50V	(AUS)
C902	1-101-005-00	CERAMIC 22000PF 50V	(US, CND)
C902	1-136-165-00	FILM 0.1uF 5% 50V	(AUS)
C903	1-101-005-00	CERAMIC 22000PF 50V	(US, CND)
C903	1-136-165-00	FILM 0.1uF 5% 50V	(AUS)
C904	1-101-005-00	CERAMIC 22000PF 50V	(US, CND)
C904	1-136-169-00	FILM 0.22uF 5% 50V	(AUS)
C905	1-124-771-00	ELECT 6800uF 20% 25V	
		< CONNECTOR >	
* CN901	1-506-782-11	PLUG, CONNECTOR (2.5MM) 7P	(US, CND)
* CN901	1-506-709-11	PLUG, CONNECTOR (2.5MM) 7P	(AUS)
		< DIODE >	
D901	8-719-302-38	DIODE RBV-602-01	
		< FUSE >	
⚠F901	1-533-265-11	FUSE, GLASS TUBE (8A/125V)	(US, CND)
⚠F901	1-532-506-51	FUSE, TIME LAG (6.3A/250V)	(AUS)
		< JACK >	
⚠J901	1-540-009-11	INLET, AC	(US, CND)
⚠J901	1-526-838-11	INLET, AC 2P	(AUS)
		< LINE FILTER >	
⚠LF901	1-424-150-11	TRANSFORMER, LINE FILTER	

Ref. No.	Part No.	Description	Remark
		< RESISTOR >	
R901	1-249-422-11	CARBON 2.7K 5% 1/4W	
R902	1-249-422-11	CARBON 2.7K 5% 1/4W	
**********			
*	1-644-416-11	RELAY (45) BOARD	(CFD-757)
		**********	
		< CONNECTOR >	
* CNP358	1-506-509-11	PIN, CONNECTOR 4P	(CFD-757)
* CNP359	1-506-509-11	PIN, CONNECTOR 4P	(CFD-757)
**********			
*	1-644-417-11	RELAY (70) BOARD	(CFD-767)
		**********	
		< CONNECTOR >	
* CNP603	1-560-532-00	PIN, CONNECTOR 7P	
* CNP606	1-560-532-00	PIN, CONNECTOR 7P	
**********			
*	1-644-415-11	RELAY (H.M) BOARD	
		**********	
		< CONNECTOR >	
* CN356	1-564-599-11	PIN, CONNECTOR 8P	
* CN357	1-560-943-00	PIN, CONNECTOR 9P	
		< COIL >	
L308	1-408-417-00	INDUCTOR 47uH	
L351	1-410-509-11	INDUCTOR 10uH	
**********			
*	1-644-424-11	RELAY (TC.M) BOARD	
		**********	
		< CONNECTOR >	
CN354	1-573-379-11	PIN, CONNECTOR 9P	
CN355	1-573-379-11	PIN, CONNECTOR 9P	
**********			
*	1-644-426-11	RETAINER BOARD	
		**********	
**********			
*	1-644-428-11	SPEAKER (L) BOARD	
		**********	
		< CAPACITOR >	
C150	1-128-569-11	CAP, ELECT 4.7uF	
**********			

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Ref. No.	Part No.	Description				Remark
*	1-644-428-11	SPEAKER (R) BOARD				
		**********				
		< CAPACITOR >				
C250	1-128-569-11	CAP, ELECT	4.7uF			
**********						
*	1-644-516-11	SWITCH BOARD				
		**********				
		< SWITCH >				
S815	1-572-199-11	SWITCH, KEY BOARD (⏏)				
**********						
*	A-3262-601-A	TC BOARD, COMPLETE				(CFD-757)
*	A-3262-595-A	TC BOARD, COMPLETE				(CFD-767)
		**********				
		< CAPACITOR >				
C601	1-126-103-11	ELECT	470uF	20%	16V	(CFD-767)
C602	1-126-233-11	ELECT	22uF	20%	50V	(CFD-757)
C603	1-124-907-11	ELECT	10uF	20%	50V	
C604	1-126-233-11	ELECT	22uF	20%	50V	(CFD-767)
C605	1-124-927-11	ELECT	4.7uF	20%	100V	(CFD-757)
C606	1-162-294-31	CERAMIC	0.001uF	10%	50V	(CFD-767)
		< CONNECTOR >				
* CN601	1-565-485-11	CONNECTOR, BOARD TO BOARD 9P				
* CN602	1-566-779-11	PIN, CONNECTOR (PC BOARD) 4P				
* CN603	1-561-651-00	SOCKET, CONNECTOR 7P				(CFD-767)
CN604	1-562-087-00	SOCKET, CONNECTOR 4P				(CFD-757)
* CN605	1-566-779-11	PIN, CONNECTOR (PC BOARD) 4P				(CFD-767)
		< CONNECTOR >				
* CNP610	1-560-456-00	PIN, CONNECTOR 2P				
		< DIODE >				
D601	8-719-911-19	DIODE	1SS119			
D602	8-719-911-19	DIODE	1SS119			
D603	8-719-911-19	DIODE	1SS119			
D604	8-719-911-19	DIODE	1SS119			(CFD-757)
D605	8-719-911-19	DIODE	1SS119			(CFD-767)
D606	8-719-911-19	DIODE	1SS119			(CFD-767)
D607	8-719-911-19	DIODE	1SS119			(CFD-767)
D608	8-719-911-19	DIODE	1SS119			(CFD-767)
D609	8-719-911-19	DIODE	1SS119			
		< TRANSISTOR >				
Q601	8-729-801-84	TRANSISTOR	2SB1013-4			

Ref. No.	Part No.	Description				Remark
Q602	8-729-806-30	TRANSISTOR	2SC4048			
Q603	8-729-902-80	TRANSISTOR	DTA114YS			
Q604	8-729-806-30	TRANSISTOR	2SC4048			
Q605	8-729-806-30	TRANSISTOR	2SC4048			
Q606	8-729-806-30	TRANSISTOR	2SC4048			
Q607	8-729-119-78	TRANSISTOR	2SC2785-HFE			
Q608	8-729-115-30	TRANSISTOR	2SK105A-30			
Q609	8-729-806-30	TRANSISTOR	2SC4048			
Q610	8-729-115-30	TRANSISTOR	2SK105A-30			(CFD-767)
Q611	8-729-806-30	TRANSISTOR	2SC4048			(CFD 767)
Q612	8-729-806-30	TRANSISTOR	2SC4048			
		< RESISTOR >				
R601	1-249-441-11	CARBON	100K	5%	1/4W	
R602	1-249-419-11	CARBON	1.5K	5%	1/4W	
R603	1-249-425-11	CARBON	4.7K	5%	1/4W	
R604	1-249-425-11	CARBON	4.7K	5%	1/4W	
R605	1-249-425-11	CARBON	4.7K	5%	1/4W	
R606	1-249-427-11	CARBON	6.8K	5%	1/4W	(CFD-757)
R606	1-249-441-11	CARBON	100K	5%	1/4W	(CFD-767)
R607	1-249-423-11	CARBON	3.3K	5%	1/4W	(CFD-757)
R607	1-249-426-11	CARBON	5.6K	5%	1/4W	(CFD-767)
R608	1-249-441-11	CARBON	100K	5%	1/4W	(CFD-767)
R609	1-249-426-11	CARBON	5.6K	5%	1/4W	(CFD-767)
R610	1-249-425-11	CARBON	4.7K	5%	1/4W	(CFD-757)
R611	1-249-425-11	CARBON	4.7K	5%	1/4W	(CFD-767)
R612	1-249-425-11	CARBON	4.7K	5%	1/4W	
⚠R651	1-219-149-11	FUSIBLE	1	5%	1/4W	F
		< VARIABLE RESISTOR >				
RV601	1-230-495-11	RES, ADJ, CARBON	2.2K			
RV602	1-230-495-11	RES, ADJ, CARBON	2.2K			
RV603	1-230-495-11	RES, ADJ, CARBON	2.2K			(CFD-767)
RV604	1-230-495-11	RES, ADJ, CARBON	2.2K			(CFD-767)
		< SWITCH >				
S601	1-571-890-11	SWITCH, LEAF (HI DUB)				
S602	1-571-890-11	SWITCH, LEAF (MOTOR)				
S603	1-571-890-11	SWITCH, LEAF (SYNC START)				(CFD-767)
**********						
	1-643-074-12	TRANSLATION BOARD				
		**********				
**********						

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TU

Ref. No.	Part No.	Description			Remark
*	A-3262-604-A	TU BOARD, COMPLETE			(EXCEPT AUS)
*	A-3275-710-A	TU BOARD, COMPLETE			(AUS)
		**********			
		< CAPACITOR >			
C1	1-102-945-00	CERAMIC	8.0PF	+-0.5PF	50V
C2	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C3	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C4	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C5	1-163-088-00	CERAMIC CHIP	5PF		50V
C6	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C8	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C9	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C10	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C11	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C12	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V
C13	1-124-126-00	ELECT	47uF	20%	10V
C14	1-164-345-11	CERAMIC CHIP	0.082uF	10%	25V
C15	1-164-344-11	CERAMIC CHIP	0.068uF	10%	25V
C16	1-124-903-11	ELECT	1uF	20%	50V
C17	1-164-345-11	CERAMIC CHIP	0.082uF	10%	25V
C18	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C19	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C20	1-124-903-11	ELECT	1uF	20%	50V
C21	1-124-907-11	ELECT	10uF	20%	50V
C22	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C23	1-124-443-00	ELECT	100uF	20%	10V
C24	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C25	1-102-824-00	CERAMIC	470PF	5%	50V
C26	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C27	1-162-847-11	CERAMIC	0.047uF	10%	16V
C28	1-162-839-11	CERAMIC	0.01uF	10%	16V
C29	1-162-827-11	CERAMIC	0.001uF	10%	16V
C30	1-102-951-00	CERAMIC	15PF	5%	50V
C31	1-162-827-11	CERAMIC	0.001uF	10%	16V
C32	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C33	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C34	1-163-099-00	CERAMIC CHIP	18PF	5%	50V
C35	1-163-099-00	CERAMIC CHIP	18PF	5%	50V
C36	1-124-907-11	ELECT	10uF	20%	50V
C37	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C38	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C39	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C40	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C41	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C42	1-136-177-00	FILM	1uF	5%	50V
C43	1-130-483-00	MYLAR	0.01uF	5%	50V
C44	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C45	1-164-232-11	CERAMIC CHIP	0.01uF		50V

Ref. No.	Part No.	Description			Remark
C48	1-162-839-11	CERAMIC	0.01uF	10%	16V
C49	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C50	1-163-024-00	CERAMIC CHIP	0.018uF	10%	50V
C51	1-124-902-00	ELECT	0.47uF	20%	50V
C52	1-163-024-00	CERAMIC CHIP	0.018uF	10%	50V
C53	1-124-902-00	ELECT	0.47uF	20%	50V
C54	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C55	1-124-907-11	ELECT	10uF	20%	50V
C68	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C69	1-124-927-11	ELECT	4.7uF	20%	100V
C70	1-124-903-11	ELECT	1uF	20%	50V
C71	1-124-443-00	ELECT	100uF	20%	10V
C72	1-124-907-11	ELECT	10uF	20%	50V
C73	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C74	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C77	1-163-109-00	CERAMIC CHIP	47PF	5%	50V
C78	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C79	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C81	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C82	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C83	1-163-059-00	CERAMIC CHIP	0.01uF	10%	50V
C84	1-164-232-11	CERAMIC CHIP	0.01uF		50V
		< FILTER >			
CF1	1-578-781-11	FILTER, CERAMIC			
CF2	1-578-781-11	FILTER, CERAMIC			
CF3	1-578-781-11	FILTER, CERAMIC			
CF4	1-578-779-21	VIBLATOR, CERAMIC			
		< COMPOSITION CIRCUIT BLOCK >			
CFT1	1-239-173-11	ENCAPSULATED COMPONENT			
		< CONNECTOR >			
CN1	1-563-620-11	CONNECTOR, FLEXIBLE 17P			
* CN2	1-506-986-11	PIN, CONNECTOR (PC BOARD) 4P			
		< TRIMMER >			
CT1	1-141-411-11	CAP, ADJ 20PF			
CT2	1-141-411-11	CAP, ADJ 20PF			
		< DIODE >			
D1	8-719-800-76	DIODE 1SS226			
D2	8-719-026-23	DIODE MA786			
D5	8-719-980-71	DIODE SVC342L-V			
D7	8-713-300-57	DIODE 1T33			
D8	8-713-300-57	DIODE 1T33			

Ref. No.	Part No.	Description			Remark
		< FILTER >			
FL1	1-236-022-11	FILTER, BAND PASS			
		< IC >			
IC1	8-759-242-89	IC TA2012N			
IC2	8-759-823-81	IC LC7216M			
IC3	8-759-039-95	IC TA8176SN			
		< COIL >			
L1	1-406-483-11	COIL (OSC)			
L2	1-402-581-11	ANTENNA, FERRITE-ROD (MW)			
L3	1-426-593-11	COIL (RF)			
L6	1-406-484-21	COIL, FM OSC			
L11	1-410-977-11	INDUCTOR	100uH		
L13	1-410-971-11	INDUCTOR	10uH		
L14	1-410-971-11	INDUCTOR	10uH		
L21	1-410-204-31	INDUCTOR CHIP	10uH		
		< TRANSISTOR >			
Q1	8-729-920-38	TRANSISTOR	2SC2059K-N		
Q4	8-729-424-38	TRANSISTOR	UN2110		
Q5	8-729-900-51	TRANSISTOR	DTA114TK		
Q6	8-729-424-38	TRANSISTOR	UN2110		
Q7	8-729-920-31	TRANSISTOR	DTC343TK		
Q8	8-729-012-83	TRANSISTOR	2SK679A		
Q11	8-729-900-52	TRANSISTOR	DTC114YK		
Q13	8-729-923-73	TRANSISTOR	DTA123YK		
Q14	8-729-900-52	TRANSISTOR	DTC114YK		
Q15	8-729-923-65	TRANSISTOR	DTA143ZK		
Q16	8-729-900-52	TRANSISTOR	DTC114YK		
Q17	8-729-923-73	TRANSISTOR	DTA123YK		
Q18	8-729-421-19	TRANSISTOR	UN2213		
Q19	8-729-923-73	TRANSISTOR	DTA123YK		
Q21	8-729-920-31	TRANSISTOR	DTC343TK		
Q22	8-729-920-31	TRANSISTOR	DTC343TK		
		< RESISTOR >			
R1	1-216-049-00	METAL CHIP	1K	5%	1/10W
R2	1-216-021-00	METAL CHIP	68	5%	1/10W
R3	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R4	1-216-089-00	METAL CHIP	47K	5%	1/10W
R5	1-216-077-00	METAL CHIP	15K	5%	1/10W
R6	1-216-013-00	METAL CHIP	33	5%	1/10W
R7	1-216-077-00	METAL CHIP	15K	5%	1/10W
R8	1-216-081-00	METAL CHIP	22K	5%	1/10W
R9	1-216-035-00	METAL CHIP	270	5%	1/10W
R10	1-216-073-00	METAL CHIP	10K	5%	1/10W
R11	1-216-073-00	METAL CHIP	10K	5%	1/10W
R12	1-216-089-00	METAL CHIP	47K	5%	1/10W
R14	1-216-073-00	METAL CHIP	10K	5%	1/10W
R15	1-216-033-00	METAL CHIP	220	5%	1/10W
R17	1-216-089-00	METAL CHIP	47K	5%	1/10W
R18	1-216-027-00	METAL CHIP	120	5%	1/10W
R19	1-216-037-00	METAL CHIP	330	5%	1/10W
R20	1-216-089-00	METAL CHIP	47K	5%	1/10W
R21	1-216-021-00	METAL CHIP	68	5%	1/10W
R22	1-216-075-00	METAL CHIP	12K	5%	1/10W
R23	1-216-083-00	METAL CHIP	27K	5%	1/10W
R24	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R25	1-216-049-00	METAL CHIP	1K	5%	1/10W
R26	1-216-049-00	METAL CHIP	1K	5%	1/10W
R27	1-216-049-00	METAL CHIP	1K	5%	1/10W
R28	1-216-295-00	METAL CHIP	0	5%	1/10W
R29	1-216-049-00	METAL CHIP	1K	5%	1/10W
R30	1-216-049-00	METAL CHIP	1K	5%	1/10W
R31	1-216-049-00	METAL CHIP	1K	5%	1/10W
R32	1-216-077-00	METAL CHIP	15K	5%	1/10W
R33	1-216-073-00	METAL CHIP	10K	5%	1/10W
R34	1-216-073-00	METAL CHIP	10K	5%	1/10W
R37	1-216-025-00	METAL CHIP	100	5%	1/10W
R41	1-216-073-00	METAL CHIP	10K	5%	1/10W
R42	1-216-089-00	METAL CHIP	47K	5%	1/10W
R43	1-216-049-00	METAL CHIP	1K	5%	1/10W
R45	1-216-089-00	METAL CHIP	47K	5%	1/10W
R46	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R47	1-216-025-00	METAL CHIP	100	5%	1/10W
R48	1-216-017-00	METAL CHIP	47	5%	1/10W
R51	1-216-025-00	METAL CHIP	100	5%	1/10W
R52	1-216-295-00	METAL CHIP	0	5%	1/10W
		< TRANSFORMER >			
T1	1-416-015-21	TRANSFORMER, IF			
		< VIBRATOR >			
X1	1-579-574-21	VIBRATOR, CRYSTAL (7.2MHz)			

****

MISCELLANEOUS

****

62	1-696-060-11	WIRE, PARALLEL (FFC) (17 CORE)
606	1-949-833-11	HARNESS (SW (K))
615	1-949-834-21	HARNESS (D)
616	1-949-834-11	HARNESS (D)
⚠660	8-848-246-01	PICKUP, OPTICAL KSS-360A

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

TU

Ref. No.	Part No.	Description	Remark
ANT1	1-501-383-21	ANTENNA, TELESCOPIC	
⚠F901	1-532-506-51	FUSE, TIME-LAG (6.3A/250V)	(AUS)
⚠F901	1-533-265-11	FUSE, GLASS TUBE (8A/125V)	(EXCEPT AUS)
HE101	1-543-535-11	HEAD, MAGNETIC (ERASE)	(CFD-757)
HP101	1-543-628-11	HEAD, MAGNETIC (PB)	(CFD-757)
HP101	1-543-714-11	HEAD, MAGNETIC (PB)	(CFD-767)
HRP101	1-543-628-11	HEAD, MAGNETIC (REC/PB)	(CFD-757)
HRPE1	1-543-932-11	HEAD, MAGNETIC (REC/PB/ERASE)	(CFD-767:FORMER TYPE)
HRPE1	1-543-944-11	HEAD, MAGNETIC (REC/PB/ERASE) (WITH FLEXIBLE BOARD)	(CFD-767:NEW TYPE)
L701	1-410-678-31	MICRO INDUCTOR (220uH)	
L702	1-410-678-31	MICRO INDUCTOR (220uH)	
M601	X-3366-404-1	MOTOR ASSY (REEL/CAPSTAN)	(CFD-767)
M601	X-4920-924-1	MOTOR ASSY (REEL/CAPSTAN)	(CFD-757)
M602	A-3253-408-A	MOTOR ASSY (9F) (REEL/CAPSTAN)	(CFD-767)
M701	X-2625-352-1	MOTOR ASSY, SLED	
M702	X-2625-354-1	MOTOR ASSY, SPINDLE	
M703	X-2625-350-1	MOTOR ASSY, LOADING	
S608	1-570-559-11	SWITCH, LEAF (DIR)	(CFD-767)
S609	1-571-348-11	SWITCH, LEAF (F/R)	(CFD-767)
S701	1-570-771-21	SWITCH (LIMIT)	
S702	1-692-053-11	SWITCH, LEAF (LOAD IN/OUT)	
SP901	1-544-047-11	SPEAKER (WOOFER) (L CH)	
SP902	1-544-047-11	SPEAKER (WOOFER) (R CH)	
SP903	1-544-701-11	SPEAKER (TWEETER) (L CH)	
SP904	1-544-701-11	SPEAKER (TWEETER) (R CH)	
⚠T901	1-423-299-11	TRANSFORMER, POWER	(AUS)
⚠T901	1-450-966-11	TRANSFORMER, POWER	(EXCEPT AUS)

****

ACCESSORIES & PACKING MATERIALS

****

	1-693-146-11	REMOTE COMMANDER (RMT-C767)	
⚠	1-557-287-11	CORD, POWER	(E)
⚠	1-696-064-21	CORD, POWER (POLARIZED)	(US)
⚠	1-696-442-21	CORD, POWER (POLARIZED)	(CND)
⚠	1-696-819-01	CORD, POWER	(AUS)
	2-181-754-01	COVER, BATTERY CASE (FOR REMOTE COMMANDER)	
*	3-380-832-01	CUSHION (TOP)	
*	3-380-835-01	INDIVIDUAL CARTON	(CFD-757)
*	3-380-839-01	INDIVIDUAL CARTON	(CFD-767)
	3-755-229-21	MANUAL, INSTRUCTION (ENGLISH)	
	3-755-229-31	MANUAL, INSTRUCTION (FRENCH)	(CND)
	3-755-229-51	MANUAL, INSTRUCTION (CHINESE)	(E)

****

Ref. No.	Part No.	Description	Remark

****

HARDWARE LIST

****

#1	7-685-647-79	SCREW, TAPPING +BV 3X10	
#2	7-685-648-79	SCREW, TAPPING +BV 3X12	
#3	7-685-646-79	SCREW, TAPPING +BV 3X8	
#4	7-682-549-04	SCREW +B 3X10	
#5	7-682-548-04	SCREW +BVTT 3X8 (S)	(CFD-757)
#6	7-685-152-19	SCREW +BTP 3X25 TYPE2 N-S	(CFD-767)
#7	7-685-132-19	SCREW +P 2.6X5 TYPE2 NON-SLIT	
#8	7-685-144-19	SCREW +P 3X5 TYPE2 NON-SLIT	(CFD-757)
#9	7-621-775-20	SCREW +B 2.6X5	(CFD-767)
#10	7-685-133-19	SCREW +P 2.6X6 TYPE2	
#11	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT	
#12	7-685-105-19	SCREW +P 2X8 TYPE2 NON-SLIT	
#13	7-627-554-07	PRECISION SCREW +P 2X2.2 TYPE3	
#14	7-685-103-19	SCREW +P 2X5 TYPE2 NON-SLIT	
#15	7-627-552-87	SCREW, PRECISION +P 1.7X2.2	
#16	7-627-850-18	SCREW, PRECISION +P 1.4X2.5	
#17	7-627-852-17	+P 1.7X4	
#18	7-621-255-65	SCREW +P 2X10	(CFD-767:NEW TYPE)

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

9-957-547-11

Sony Corporation
General Audio Group

English
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CFD-757/767

SONY

SERVICE MANUAL

US Model
Canadian Model
CFD-757/767

Australian Model
E Model
CFD-767

SUPPLEMENT-1

File this Supplement with the Service Manual.

The main circuit board, relay (H.M.) circuit board and H.P. circuit board have been changed.
Due to this change, only the electrical parts lists concerning the circuit diagrams, print diagrams and additions are included. (However, as for the circuit diagram of the main circuit board, only the part that has been changed is included.)
Please discriminate between the sets by judging the print circuit boards. (The parts codes for the print circuit boards have not been changed.)

TABLE OF CONTENTS

Section	*Title*	*Page*
1.	ELECTRICAL PARTS LIST (Service Manual See page 90 – 104)	2
2.	PRINTED WIRING BOARDS (Service Manual See page 58, 59)	4
3.	SCHEMATIC DIAGRAM (Service Manual See page 62 – 64)	4

9-957-547-81

Sony Corporation
Audio Group

English
93F0244-1
Printed in Japan

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Published by Audio Sector Quality Assurance Dept.

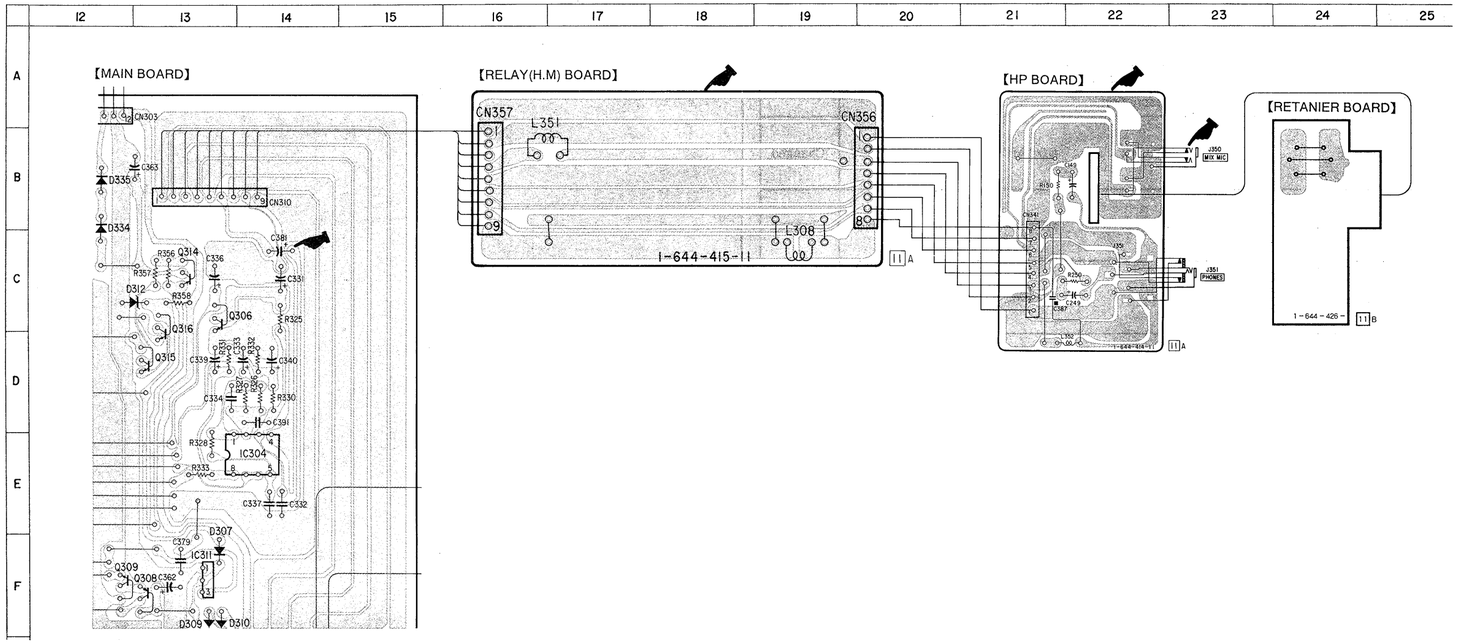
1. ELECTRICAL PARTS LIST
(Service Manual See page 90 – 104)

Ref. No.	Former Parts Description (Parts No.)	New Parts Parts No.	Description				Remark
C144 (Page 96)	1-130-489-00 0.033MF	1-130-493-00	MYLAR	0.068MF	5 %	50V	Changed
C145 (Page 96)	1-130-489-00 0.033MF	1-130-493-00	MYLAR	0.068MF	5 %	50V	Changed
C244 (Page 96)	1-130-489-00 0.033MF	1-130-493-00	MYLAR	0.068MF	5 %	50V	Changed
C245 (Page 96)	1-130-489-00 0.033MF	1-130-493-00	MYLAR	0.068MF	5 %	50V	Changed
C381 (Page 97)	————————	1-124-927-11	ELECT	220MF	20 %	50V	Added
C387 (Page 95)	1-162-282-31 100PF	1-162-294-31	CERAMIC	0.001MF	10 %	50V	Correct
C337 (Page 96)	1-162-282-31 100PF	1-162-294-31	CERAMIC	0.001MF	10 %	50V	Changed
C379 (Page 97)	1-162-282-31 100PF	1-162-294-31	CERAMIC	0.001MF	10 %	50V	Changed
J350 (Page 95)	1-563-330-11	1-750-184-11	JACK, MICROPHONE (MIX MIC)				Changed

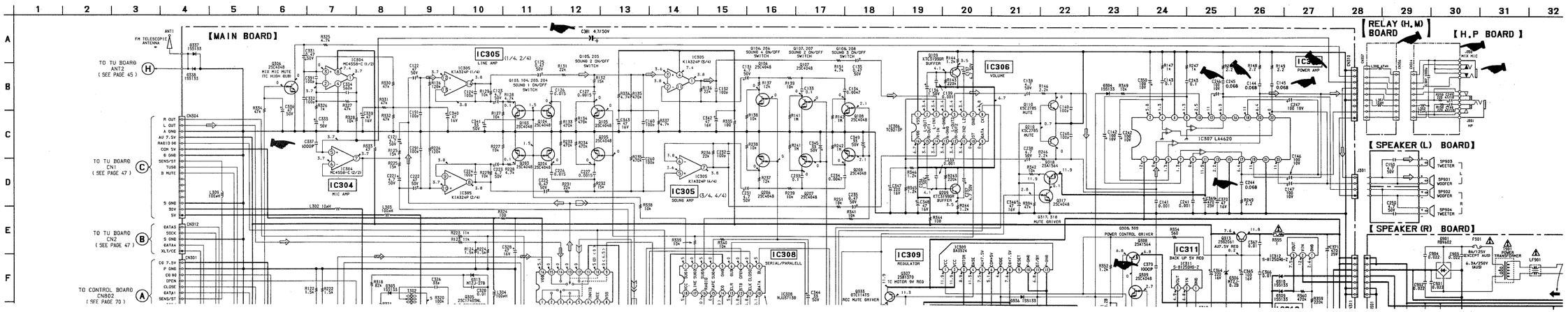
CFD-757/767

● changed portion :

2. PRINTED WIRING BOARDS ● NEW TYPE (Service Manual See page 58, 59) ● The parts codes for the print circuit boards have not been changed.



3. SCHEMATIC DIAGRAM ● NEW TYPE (Service Manual See page 62 – 64) ● The parts codes for the print circuit boards have not been changed.


【MAIN BOARD】
【RELAY (H,M) BOARD】
【H.P BOARD】
【SPEAKER (L) BOARD】
【SPEAKER (R) BOARD】
IC305 (1/4, 2/4) LINE AMP
IC305 (3/4, 4/4) SOUND AMP
IC304 MIC AMP
IC306 VOLUME
IC307 LA4620 POWER AMP
IC308 SERIAL/PARALLEL
IC309 REGULATION
IC311 BACK UP 5V REG
TO TU BOARD ANT2 (SEE PAGE 45)
TO TU BOARD CN1 (SEE PAGE 47)
TO TU BOARD CN2 (SEE PAGE 47)
TO CONTROL BOARD CN802 (SEE PAGE 70)

CFD-757/767

SONY
SERVICE MANUAL

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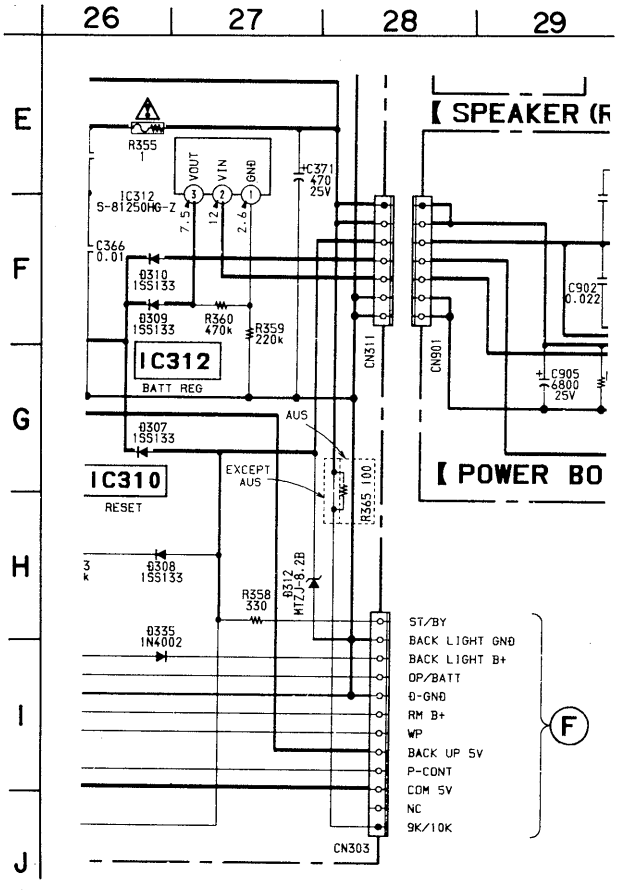
SUPPLEMENT-2

File this Supplement with the Service Manual.

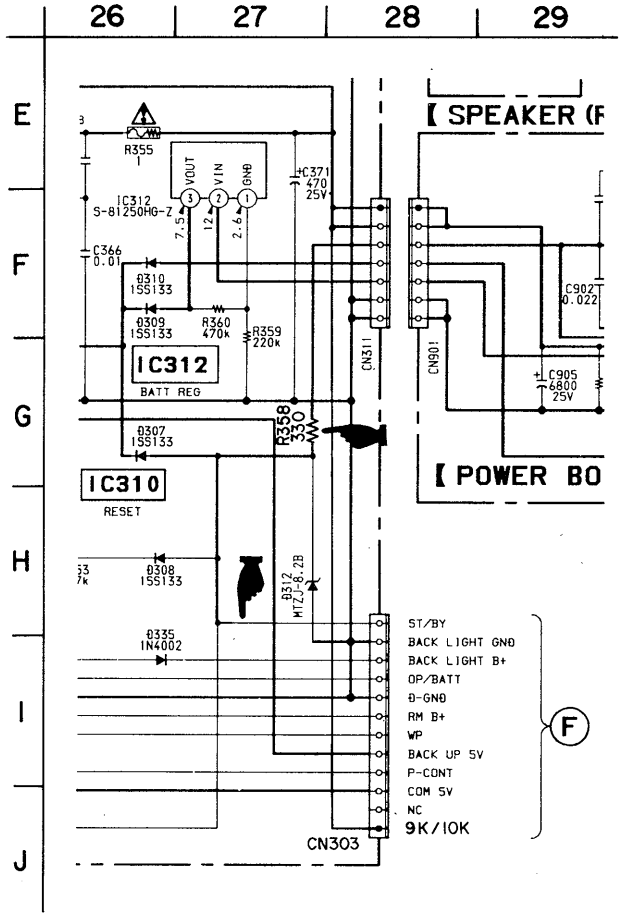
☛ : **Changed portion**

- **6-8. SCHEMATIC DIAGRAM — AUDIO/TC Section — (Service Manual Page 64.)**

CURRENT



REVISED



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CFD-757/767

SONY®
SERVICE MANUAL

US Model
Canadian Model
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CFD-767

SUPPLEMENT-3

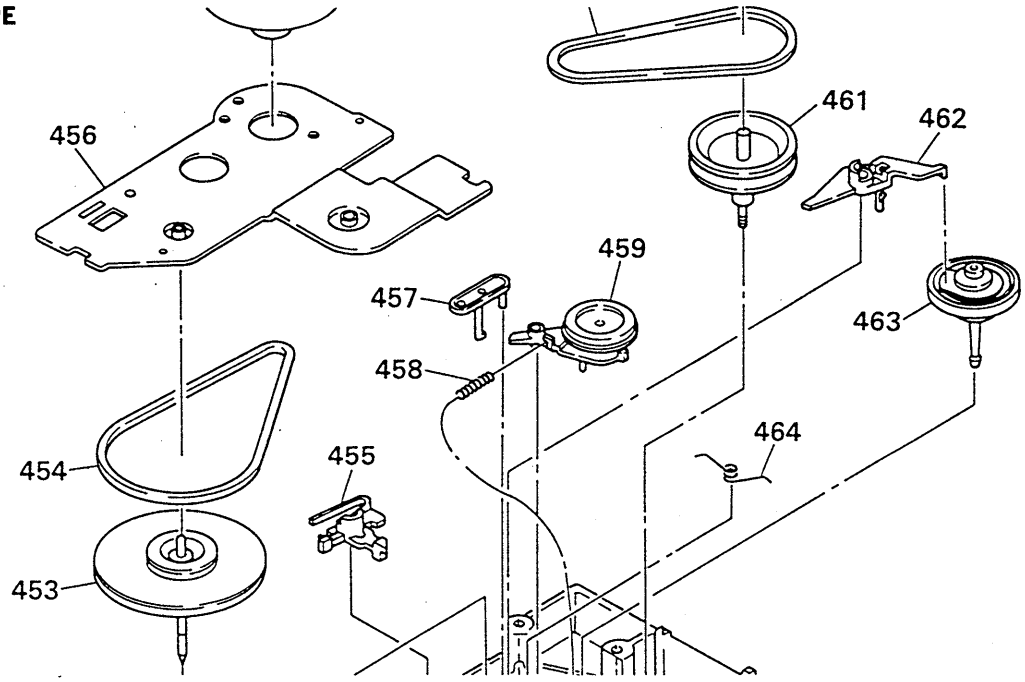
File this supplement with the service manual.

Subject: Change in the Mechanism Deck

The idler of the mechanism deck (MF-767-64PB) used for CFD-767 has been changed from tire drive to gear drive in design.
This change does not allow compatibility between the former and new parts.
When servicing and/or inspecting, check whether the idler (Ref. No. 459) is tire drive or gear drive in design.

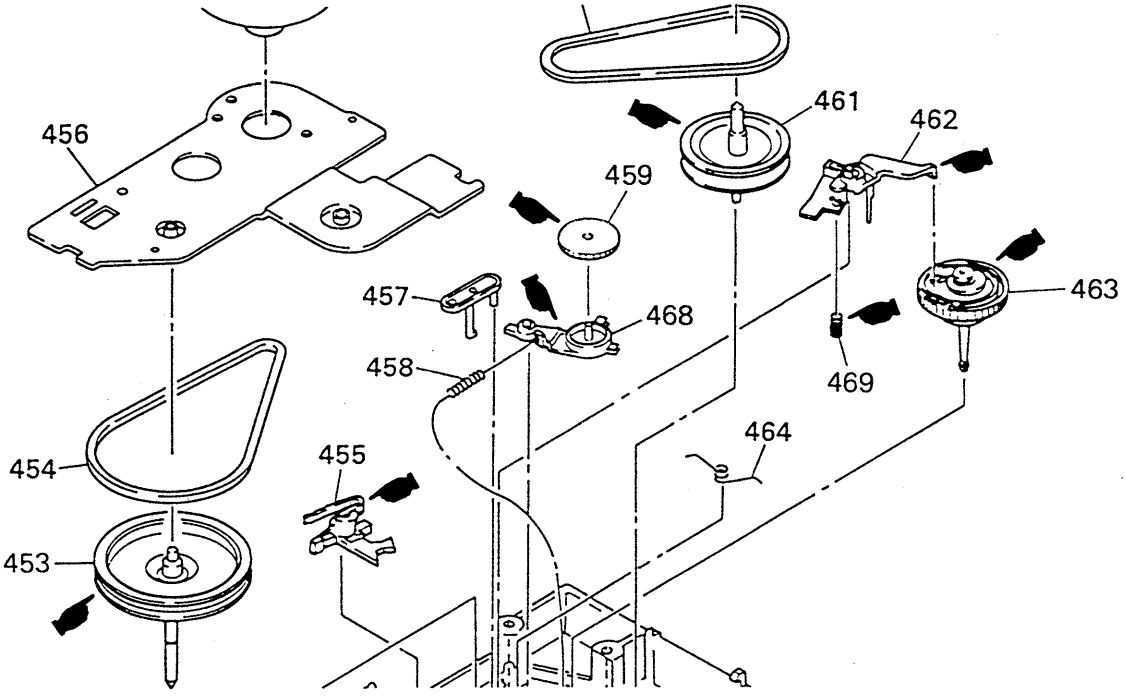
☛ : indicates changed portion.

FORMER TYPE



Ref. No.	Part No.	Description	Remark
453	X-4920-349-1	WHEEL (S) ASSY, CAPSTAN	
455	4-928-987-01	LEVER (T), SHUT-OFF	
459	X-4920-346-2	LEVER (S) ASSY IDLER	
461	X-4918-580-1	PULLEY ASSY, FR	
462	4-928-986-01	LEVER (S), SHUT-OFF	
463	X-4918-582-1	PLATE ASSY, TAKE-UP REEL	

NEW TYPE



Ref. No.	Part No.	Description	Remark
453	X-4920-923-1	WHEEL (W) ASSY, CAPSTAN	
455	3-904-620-21	LEVER (S. OFF) (T)	
459	3-904-615-21	GEAR (FWD)	
461	X-3366-943-1	PULLEY ASSY, GEAR	
462	3-904-621-21	LEVER (S. OFF) (S)	
463	X-3366-942-1	LIMITER ASSY, FWD	
468	3-904-619-21	LEVER (FWD)	
469	3-904-617-01	SPRING, COMPRESSION	

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SONY
SERVICE MANUAL

US Model
Canadian Model
CFD-757/767

Australian Model
E Model
CFD-767

CORRECTION-1

Correct your service manual as shown below.

☛ : **indicates corrected portion.**

Page	INCORRECT	CORRECT
38	**Focus Bias Adjustment** This adjustment is to be done when the optical block replaced. **Adjustment Procedure :** ⋮ 4. Insert disc (YEDS-18) and press ▷▯▯ key. ⋮	**Focus Bias Adjustment** This adjustment is to be done when the optical block replaced. **Adjustment Procedure :** ⋮ 4. Insert disc (YEDS-18). ☛ Press TUNING − (minus) key and press ▷▯▯ key. ⋮
38	**E.F Balance Adjustment** This adjustment is to be done when the optical block is replaced. **Adjustment Procedure :** ⋮ 4. Insert disc (YEDS-18) and press ▷▯▯ key. ⋮	**E.F Balance Adjustment** This adjustment is to be done when the optical block replaced. **Adjustment Procedure :** ☛ ⋮ 4. Insert disc (YEDS-18) and press TUNING − (minus) key. ⋮
39	**Focus/Tracking Gain Adjustment** ⋮ − Simple Adjustment − ⋮ **Procedure :** ⋮ 2. Insert disc (YEDS-18) and press ▷▯▯ PLAY button. ⋮	**Focus/Tracking Gain Adjustment** ⋮ − Simple Adjustment − ⋮ **Procedure :** ⋮ 2. Put the set into test mode. ☛ Insert disc (YEDS-18). Press TUNING − (minus) key and press ▷▯▯ key. ⋮

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